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no Townsend's -

A
CONDENSED
GEOGRAPHY AND HISTORY
OF THE
WESTERN STATES,
OR
THE MISSISSIPPI VALLEY.

BY **TIMOTHEY FLINT,**
AUTHOR OF "RECOLLECTIONS OF THE LAST TEN YEARS IN THE
MISSISSIPPI VALLEY."

"*SALVE MAGNA PARENS.*"

IN TWO VOLUMES.

VOLUME I.



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1861, Feb. 4.

Gift of

New Britain Francis, D.D.

Parkman Professor

Harvard University.

DISTRICT OF OHIO, TO WIT:

BE IT REMEMBERED, that on the nineteenth day of October, in the year of our Lord, one thousand eight hundred and twenty-seven, and in the fifty-second year of the Independence of the United States of America, TIMOTHY FLINT, of said District, hath deposited in this office the title of a book, the right whereof he claims as author and proprietor in the words and figures following, to wit:

"A condensed Geography and History of the Western States, or the Mississippi Valley, by TIMOTHY FLINT, author of "Recollections of the last ten years in the Mississippi Valley," "Salve Magna Parens," in two volumes."

In conformity to the Act of the Congress of the United States of America, entitled, "An Act for the encouragement of learning, by securing the copies of maps, charts and books, to the authors and proprietors of such copies, during the times therein mentioned," and also of the act, entitled, "An act supplementary to an act entitled an act for the encouragement of learning, by securing the copies of maps, charts and books to the authors and proprietors of such copies, during the times therein mentioned, and extending the benefit thereof to the arts of designing, engraving, and etching historical and other prints."

Attest, WM. KEY BOND,

Clerk of the District of Ohio.

TO
JOSEPH PEABODY, ESQ.

SALEM, MASSACHUSETTS.

SIR,

I have ventured to inscribe this book with your name for the following reasons. I wished to prove, that, much as I have wandered, my heart and affections have still had their stationary points. It is my pride to hope, amidst all the vicissitudes, through which I have passed, that the friends of my youth will be those of my age. Years in their flight will never shed the mildew of oblivion over kindnesses, which have marked every period of my intercourse with you. Those kindnesses are alike associated with the remembrance of scenes, that have passed in the land of my birth, and in distant regions west of the Mississippi. To you and one other friend it is owing, that I ever appeared before the public. I know not, if the public will thank you, or if it ought. I feel, that I at least ought never to forget the kindness and munificence of the motive. While your keels plough every sea, bringing home the rich harvests of commerce, I have always known you the earnest and consistent friend of the sacred soil and the plough. This acquaintance with predilections, apparently so foreign from those, which have governed your pursuits in life, has added an inducement, to inscribe to you a book, which treats upon a country almost solely agricultural,

and naturally richer in resources of that class, as I deem, than any other. In doing this, I beg leave to be allowed to express my affectionate prayers, that the repose of your age, in the midst of your children, may be as long and as happy, as your past life has been honorable and useful.

*With feelings of indelible gratitude
and respect, I subscribe myself
your friend and humble servant,
TIMOTHY FLINT.*

CONTENTS OF VOL. I.

INTRODUCTION. General features of the Mississippi valley, 17. Face of the country, 27. Mountains, 33. General surface, 36. Minerals, 43. Climate, 47. Diseases, 53. Trees and shrubs, 61. Vines and creepers, 75. Shrubs, 79. Herbs, grasses and plants, 85. Animals, 93. Birds, 105. Reptiles, 113. Fishes, 121. Rivers, 131. Aborigines,—Monuments, 193. Present population, 199. National character, 209. Religious character of the western people, 216. Pursuits of the people, 224.

HISTORY, 243. Settlement of Florida, 244; of Canada, 247; of Louisiana, 250. Bernard de La Harpe, 273. St. Dennis, 279. Massacre of the French, by the Natchez, 285. Retaliation of the French, 289. Ohio company and Fort du Queane, 295. Braddock's defeat, 297. General treaty of peace, of 1763, 308. Settlement of Kentucky, 309. Spanish treaty, 319. Purchase of Louisiana, 320. Har-mar's defeat, 321. St. Clair's defeat, 325. Wayne's victory, 329. Western insurrection, 334. First steam boat used in the West, 340. Battle of Tippicanoe, 342. Massacre of the troops under captain Heald, 344. Hull's surrender, 345. Capture of general Winchester, 352. Massacre of the Raisin, 353. Siege of fort Meigs, 353. Gallant defence of fort Stephenson, 356. Commodore Perry's victory, 358. Proctor's defeat, 361. Indian war in the South,—Tallushatchee, 362. Battle of Talladega, 364. Battle of Emuckfaw, 374. Affair of Hoithlewallle, 385. Attack of fort Bowyer, 399. Capture of Pensacola, 403. Attack of American gun boats, at Pass Christian, 410.

First attack of the British forces invading New Orleans, 418. Blowing up of the *Caroline*, 430. British attack upon the American lines, 433. Battle of the 8th of January, 435. General Jackson's triumphal return to New Orleans, 445. Peace proclaimed in the camp, 447.

FLORIDA, 455. Climate, 455. Productions, 457.—Minerals, 461. Animals, 461. Birds, 462. Fish, 463. Serpents, 466. Insects, 465. Bays, inlets, 465. Rivers, 466. Islands, 468. Fountains and springs, 468. Savages, 469. Civil divisions, 470. Comparative advantages of immigration to Florida, 472. Chief towns, 473. History, 478.

ALABAMA, 481. Civil divisions, 481. Population, 482. Rivers, 483. Face of the country, 484. Character of population, 487. Climate, 489. Diseases, 490. Chief towns, 491. Constitution and laws, 495.

MISSISSIPPI, 496. Face of the country, 496. Rivers, 498. Islands, 501. Climate, 501. Indians, 503. Civil divisions, 505. Agriculture, 505. Schools, Religion, &c. 507. Constitution, 508. Chief towns, 508. History, 510.

LOUISIANA, 512. Civil divisions, 512. Face of the country, 515. Agriculture, 520. Slaves, 527. Rivers, 531. Islands, 542. Bays and Prairies, 544. Chief towns, 550. Roads and canals, 564. Constitution and laws, 565. Character, 567. Religion, 569.

ARKANSAS TERRITORY, 571. Face of the country, 571. Rivers, 573. Soil and productions, 580. Climate, 582. Civil divisions, 584. Chief towns, 584. History, 587.

CONTENTS OF VOL. II.

TENNESSEE, 3. **Earths, Fossils, &c.** 4. **Climate and productions**, 5. **Rivers**, 7. **Civil divisions**, 8. **Agriculture**, 9. **Chief towns**, 10. **Natural curiosities**, 12. **History**. Col. Boone visits Tennessee, in 1764, 19. East Tennessee first settled in 1768, 20. West Tennessee first settled in 1767, 23. **Battle of King's mountain**, 25. **Opening land office in Tennessee**, 28. **State of Frankland**, 30.—**Fall of Frankland**, 35. **Battle of Look-out mountain**, 36. **First printing press in Tennessee**, 38. **Battle of High tower**, 44. **Territorial government commenced**, 45. **Treaty of peace with the Indians**, 50. **Treaty between United States and Creeks**, 59. **Formation into a state**, 62.

MISSOURI, 63. **Civil divisions**, 63. **Productions**, 67. **Animals**, 71. **Agriculture**, 74. **Climate**, 76. **Scenery, roads, &c.** 80. **Minerals, fossils, &c.** 82. **Rivers**, 87. **Game, &c.** 96. **Chief towns**, 96. **Constitution, laws, &c.** 103. **Manners, &c.** 104. **History**, 108.

ILLINOIS, 114. **Face of the country**, 114. **Rivers**, 121. **Minerals**, 126. **Climate**, 127. **Civil divisions**, 127. **Agriculture and manufactures**, 128. **Diseases**, 131. **Roads, public improvements, &c.** 132. **Constitution and laws**, 133. **History**, 133. **Curiosities**, 135.

INDIANA, 137. **Face of the country, soil, &c.** 138. **Climate**, 141. **Civil divisions**, 142. **Rivers**, 144. **Chief towns**, 147. **Extent of navigable waters**, 158. **View of portages**, 159. **Minerals and fossils**, 163. **Antiquities**, 164. **Curiosities**, 164. **Roads, canals**, 168. **History**, 170.

KENTUCKY, 173. Rivers, 177. Minerals, 179. Civil divisions, 181. Chief towns, 184. Transylvania university, 200. Constitution, government, &c. 201. History, 201. Henderson's purchase, 210. Annulled, 211. Kentucky made a county, 216. Attack of Boonesborough, 218. Attack of Logan's fort, 218. Second attack of Boonesborough, 222. Boone's capture, 223. Third attack of Boonesborough, 227. Settlement of Louisville, 230. Expedition against the Shawnees, 235. First court opened, 237. Attack upon Ruddle's and Martin's stations, 239. Expedition of general Clark against the Piqua towns, 243. Kentucky subdivided into three counties, 246. Attack upon M'Afee's station, 248. Attack upon Bryant's station, 253. Battle of Blue Licks, 257. First movements for separation from Virginia, 269. General Clark's expedition to the Wabash, 272. Discontents touching the navigation of the Mississippi, 275. Spanish plot, 280. Congress votes to admit Kentucky into the Union, 284. Paper mill established, 285. French plot, 287. President Washington's proclamation, 288. Treaty with the northern Indians, 289. Adjustment of Spanish line of demarcation, 290. Trial of Judge Sebastian, 291. Trial of Aaron Burr, 291.

OHIO, 293. Face of the country, 293. Rivers, 298. Minerals and mineral springs, 311. Climate, 312. Antiquities, 313. Population, 315. Civil divisions, 315. Religion, 317. Literature, 319. Trade and manufactures, 320. Chief towns, 330. Roads, 345. Education, 345. Militia, 346. Penitentiary, 346. History, 348. West Pennsylvania, 398. West Virginia, 408. Michigan territory, 412. Sketches of the lakes, 421. North-west territory, 431. Missouri territory, 435. Oregon territory, 442. Texas, 449. Appendix, 457.

PREFACE.

HAD the author been aware, when he assumed this task, of the amount of labor and difficulty, in which it would involve him, he would have shrunk from it in dismay. But he had announced the work, and made no inconsiderable progress in it, before a full view of the difficulties and discouragements opened upon him. One of the difficulties, and that by no means an inconsiderable one, was that of procuring materials for all that part of the work, which could not be supplied by his own personal observation. From a general consciousness of the western people of the incompetence of most of those, who have assumed to collect materials for works of this sort, and an unwillingness, that their names should stand, as authorities, it has happened, that they, who were most capable of furnishing materials, have heard with indifference and neglect, solicitations to furnish such materials.

There seems to be but one sure and adequate avenue to such collection; and that is, to travel from state to state, and from capital to capital, to make it in person. Such is the expense attending this mode, that very few, who belong to the proverbially poor fraternity of authors, can afford it. Such, also, is the length of time, necessary to complete such a tour with the requisite deliberation and delay, that, owing to the rapid changes, effected in the scene by time, the first part of the sketch has become an inadequate representation, before the last is completed. Whatever be the industry, honesty of intention and ability of the author of such a work, he must be content to prepare it under all these disadvantages, and identify his fortunes with a class of writers, whose writings upon similar subjects, however deserving, have rapidly passed into oblivion. In addition to these preliminary difficulties, the author had to encounter that of ill health, which, whether it be an allowed

plea to enter, in palliation of defects, or not, is certainly a very great impediment in prosecuting works of this sort. At the same time, his hands have been filled with laborious avocations of another kind.

But it is unnecessary to dwell on these and various other difficulties easy to name. The author had given a pledge, and *'put his hand to the plough.'* He felt, too, that he had some grounds, on which to assume such a work. He had devoted the best portion of twelve years to exploring the western country. He had remained one or more seasons in each of its great divisions. He had been familiar with Cincinnati, St. Louis and New Orleans, the points most central to the information and resources of their respective divisions, and had resided in each of those capitals. He had traversed this great valley, in all its chief directions, in an employment, which had necessarily brought him in contact with all classes of its people, and all its aspects of society. He had had abundant communications with its scholars and distinguished men. As an earnest lover of nature, he had contemplated nature in the West, in the original, and in all her phases. On foot and alone he had wandered beside her long and devious streams. He had been between two and three hundred days on the Mississippi and its tributary waters. He had published *'Recollections'* of these journeyings, which had been received by the public with great kindness. His chief efforts, as an author, had been directed to bringing the people of the West acquainted with one another, and the beauty and resources of their own great country. He hopes, it will not be deemed assumption for him to say, that he has done something towards bringing about an acquaintance of good feelings between the elder sister, whose fair domain is the east country, the fresh breeze and the shores of the sea; and her younger sister, whose dotal portion is the western woods, and the fertile shores of the western streams.

A kind of affectionate feeling for the country, where he has enjoyed, and suffered all, that the human heart can be supposed capable of feeling on this side the grave, which contains his children, his charities, and all those ties, which call forth aspirations for its well-being, after he shall be in the dust, enlisted his first purpose to commence this work. The general amenity of its aspect, its boundless woods and prairies, its long and devious streams, and its

unparalleled advancement in population and improvement, filled his imagination. He had seen the country, in some sense, grow up under his eye. He saw the first steam boat, that descended the Mississippi. He had seen much of that transformation, as if of magic, which has converted the wilderness to fields and orchards. He has wished to transfer to others some of the impressions, which have been wrought on his own mind by witnessing those changes. Such were some of the motives, that impelled him to undertake this work.

He has a distinct foresight of the views, which some will entertain, and express in reference to this work. But he can pronounce with perfect simplicity and confidence, that his least fears of criticism are from those, whose candor, experience and ability best qualify them to judge. At any rate, he will cheerfully suffer the sentence, whatever it may be, which the western people shall pass upon this work. To those, who have predicted, that he would draw too largely upon the language and the coloring of poetry and the imagination, he can only say, that it has been his first aim, to compress the greatest possible amount of useful information into the smallest compass. He has, therefore, rather to apprehend, that the intelligent will find it too statistical and laconic, too much abbreviated, and divested of detail.

Something more than half the compass of this work is original, in the strictest sense of the word, the remarks and details being the fruit of his own observation or reflection. What has been suggested by the reading and observation of those, who have preceded him in labors of this kind, will be generally found, he thinks, to have been assimilated, to use a medical term, and to have received in his mind the moulding of his own manner. But, touching the matter obtained from other books, he claims no other merit, than that of being a laborious and faithful compiler. In some instances, where the thoughts could not be better, or more briefly expressed, the words of the original authors may have been used. He has referred to at least thirty volumes, and to those, who might feel disposed to suggest, that he has made a book from the labors of others, he would beg leave to remark, that, if they shall be pleased to think, that they have found the substance of all these volumes in this work, he shall consider it the highest encomium, they can pass upon it.

He feels it to be a duty, once for all, to make the most frank and ample avowal of the sources, to which he has chiefly repaired for compilation. That works of history and geography must necessarily be prepared in this way, no person, at all acquainted with the nature of such writings, need be told. As well might a traveler presume to claim the fee-simple of all the country, which he has surveyed, as a historian and geographer expect to preclude those, who come after him, from making a proper use of his labors. If the former writers have seen accurately, and related faithfully, the latter ought to have the resemblance of declaring the same facts, with that variety only, which nature has enstamped upon the distinct elaborations of every individual mind. Those, who have preceded him, have availed themselves of the observations of their predecessors. The author flatters himself, that his work, in its turn, will be consulted by those, who will come after him. As works of this sort become multiplied, voluminous and detailed, it becomes a duty to literature to abstract, abridge, and give in synoptical views, the information that is spread through numerous volumes. So far from its being the tendency of a work of this kind to undervalue, and preclude the use of works, from which it is compiled, he would hope, that adverting to the original works, by pointing to the sources of his information, would have the contrary effect of inducing those readers, who wish to view the subject in all its details and bearings, to repair to those works, and rescue them from oblivion. Many of them are works of great merit, and have undeservedly passed into disuse.

He has not considered it necessary to give individual quotations, or to disfigure the margin with references and authorities. The reader ought to rely upon the fact, that nothing is here put down, which has not been previously weighed in the author's mind, and admitted, either as matter of his own observation, or on what he conceived to be the competent and credible testimony of others. Sometimes upon a particular point, he has adopted the phraseology of the author entire. At other times, he has adjusted the views of one author by another, endeavoring to settle a just medium from the result of his own observations.

For the topographical and geographical parts, he has chiefly consulted the following authors, viz: Charlevoix, Volney, Bartram, Breckenridge, Darby, Stoddard, Atwater, Ohio and Mississippi

Navigator, Dana, Emigrant's Guide, Nuttall, Long's first and second Expeditions, Pike, Schoolcraft, Beck, Haywood's History of Tennessee, Drake's Picture of Cincinnati, Kilbourn's Gazetter, Drake and Mansfield's Cincinnati, in 1826, and numerous extracts from journals, pamphlets, manuscript letters, &c. He has also consulted no inconsiderable number of journals, voyages and travels in the French language.

For the historical part, which is of course more simply and entirely compilation, he has consulted copious unedited French manuscripts in the archives of state at New Orleans, the early French Canadian writers, Stoddard, Holme's Annals, Marshall's Life of Washington, various histories of the American revolution, Haywood's History of Tennessee, Marshall's History of Kentucky, Eaton's Life of general Jackson, Thompson's History of the late war, Dawson's Life of general Harrison, Farnsworth's Cincinnati Directory, Atwater's Notes upon Ohio, and in the appendix, general Lytle's obliging communications; and in the History of Ohio, Notes upon the Political History of Ohio by Mr. Hammond.—General Gaines has politely laid open to him various sources of important information, and his obligations of this sort, to various respectable individuals are too numerous to mention. Among those, whose patronage has cheered him to his laborious task, he takes particular pleasure in naming William Greene, Esq., Henry Starr, Esq., and Mr. John Baker, all of this city.

If the work, here offered to the reader, had no other merit, than that of presenting an abbreviated view of the information, spread over these various and dispersed sources, he would hope, that it would not be deemed an useless labor.

He has but too much reason to apprehend, that, after all his earnestness of desire to present none but exact authentic information, in a work of so much magnitude, and embracing such a multiplicity of details, many errors will be found mingled with the facts. In giving topographical information, touching a country, where towns spring up, like the prophet's gourd, it is impossible in the unchangeable information of the dead letter, to give the varying shades, that the fleeting lapse of time is constantly throwing upon the living picture. All, that the reader can reasonably expect, is fidelity to the scene, as it was at the time, when the outlines were taken. The power and resources of the general government in

the national census, are alone adequate to procuring those statistical views, which relate to population, especially in a country so rapidly changing in this respect, as the Mississippi valley, in which entire reliance may be reposed. He would have preferred waiting the census of 1830 for his authorities, in relation to the present numbers of western population in the towns and states. A variety of motives, personal to the author, induced him to anticipate that period. As regards the larger towns described in this work, he places much reliance upon the views here given of the present state of population. But a very limited impression of this work is now issued, in the hope, that at the time of the next census, a new edition may be required, which may receive all the emendations, that observation shall indicate to be necessary, as well as the exact statistical information, which that census may furnish.

But in that part of this work, which has fixed the observation and sustained the interest of the author, more than any other, and which, he is ready to think, is most replete with intrinsic interest, the physical aspect of the country, its amenity, beauty, fertility and resources, it is the same now, that it will be, after an hundred generations. Art and ornament and luxury may have varied the drapery. But substantially the same harvests will wave, the same flowers bloom, the same rivers roll down their courses, the same valleys spread their luxuriant vegetation, the same hills rear their green heads, the same vernal breeze whisper from the sweet south, when the present generation, and he among them shall have reposed beneath its soil. Man, his works, his ambition, his passions, his hopes and fears are transitory. But the features of nature have received from their Divine Author the impress of his own immutability. It is in the hope, that those, who will come after him, will find, and admit, that he has studied these features intensely, and presented them faithfully, that he reposes for right estimates of this work.

He does not entertain the presumption to hope, that this work will settle the orthography of places; though every one must allow, that in such a very copious catalogue of proper names, difficult to pronounce, and chiefly derived from foreign languages, this is a point extremely desirable. What kind of violence has been done, in common parlance and writing, to the proper names in the western country, may be judged from the following samples, which

stand as indexes of a whole catalogue of the kind. In books of topography, which have had the most extensive circulation, *Bois Brûlé* in French, Burnt Wood, has been written Bobruly; *Vuide Pocke*, or Empty Pocket, the familiar name of Carondelet, is written Vite Push; *Mauvaise Terre*, Bad land, Moovistar, and so of the rest. He would be glad to see the ground of this standing jest against the orthography of backwoodsmen removed. He can only say, that where he has found proper names written, or pronounced differently, he has endeavored, to find a just criterion for settling the discrepancy by consulting the original and tracing the derivation, where that might be done. In the names of towns and places, he has deemed it right, to prefer the orthography of the legislative enactments, touching them; or that, which the common use of the place has assigned to them. Where these considerations did not furnish a clue, he has consulted euphony and the common analogy of our language.

That a compendious Geography and History of a country, as yet but little known abroad, although comprising the far greater portion of the surface of the United States, was necessary, no one, who has examined, what has hitherto been written upon the subject, will deny. That a synopsis of the History of a country, already containing nearly four millions of inhabitants, was needed, he believes, is equally indisputable. Whether this book in any measure supplies the desideratum, it is not for him to say. The western people are both warm hearted and in the main, just. They will not deny him the merit of industry and good intentions, if nothing more. To them and their award, he cheerfully submits the work.

It was found impossible to procure maps, upon which reliance could be placed. Even those, engraved under the authorities of the states, are very defective. As maps of a certain character are every where for sale, he has preferred, to allow readers to consult their own choice, in those, which may be thought necessary to accompany this work. He has selected those, which he considered the best, to be bound with the work for subscribers.

THE
GEOGRAPHY AND HISTORY
OF THE
WESTERN STATES.

WE designate the country, which we propose to describe, by the general appellation, 'MISSISSIPPI VALLEY.' It has been said, there is a vagueness in this appellation. We, on the contrary, deem it a very definite and significant term. There is not, probably, on the earth another valley, the features of which are so strongly and distinctly marked. We look in vain over the globe to find another so large. Those, that bear the nearest resemblance to it, in point of size, that of the Ganges in the eastern, and of the Amazons, La Plata, and Orinoco on our own continent, when examined in this point of view, bear no comparison in the extent of country, actually drained by them. Some of these rivers, no doubt, roll greater volumes of water to the sea. But compare the length and breadth of their valleys, and tributary streams, and they dwindle in the estimate. The very striking profile, or physical section of the surface between the Alleghanies and Rocky mountains, places this fact in a very impressive point of view.

This valley differs, too, from any other of very great extent, in the greater distinctness of its outline. A few

comparatively small rivers, as the Mobile, Pearl, and other rivers of West Florida, on the one side, and the Sabine, Brassos, and Colorado of Texas on the other, rise, and enter the gulf of Mexico within, what we consider, the proper limits of this valley, and on the outer edge of its basin, without mingling their waters with those of the Mississippi. But, when we examine the country, through which they flow, and observe its configuration, in relation to the adjacent regions, we shall find, that they do in fact differ little from those bayous, or outlets of the Mississippi, that, as it approaches towards its *debouche*, leave it, and diverging more than a degree of longitude, find their own separate channels to the gulf.

The valley of the Mississippi, including those of these separate streams, is bounded on the south by the very winding shores of the gulf of Mexico. On the southeast, although the country is a dead level, it has a strong outline in cape Florida, commencing the first sweep of its boundary far in the sea. Running along that cape, in a northern direction, it soon finds those flattened and subsiding elevations, in which the Alleghanies seem sinking to plains, before they touch the sea. They are generally broad, table hills, more or less precipitous, where they separate the waters of the Mobile and Tombigbee from those of the rivers of East Florida. Thence, running through the country of what is called the Indian nations, and just touching the northwestern extremity of Georgia, it begins there to be delineated by ridges, that deserve the name of mountains. These mountains separate the head waters of the Tennessee from the Atlantic streams of Georgia. Thence, diverging into the states of Tennessee and Kentucky, and having acquired a craggy and precipitous character, numerous distinct peaks, and in some instances a front of from one to three hundred miles, the

mountains, that bound this valley, continue to stretch along in a northeastern direction through western Virginia, Pennsylvania and the southwestern angle of New York. They subside and flatten, as they approach the lakes, in the same manner, as they did in approaching the gulf of Mexico. By the Alleghany river a portion even of the southwestern extremity of New York is wedded with the waters of the gulf of Mexico. Of the parallel ridges, that constitute what are called the Alleghany mountains, the central ridge, or the chain, that separates the Atlantic from the Mississippi waters, is that one, which is assumed, as bounding this valley in that quarter.

In some instances the table elevations, that separate the waters of this valley from those of lakes Erie and Michigan, are scarcely perceptible. They are uniformly very near those lakes. A thousand circumstances demonstrate, as we shall see in our progress, that the basin of the lakes and of the Mississippi, in this vicinity have nearly the same level. It would probably require but little labor, properly directed, to drain part of the surplus waters of these lakes into the Mississippi. Beside the well known morass at the head of Chicago, a river of lake Michigan, from one end of which that river discharges into that lake, and from the other into a main branch of the Illinois, there are now ascertained to be many small lakes, and marshy receptacles of stagnant waters, which from one extremity discharge into the lakes, and from the other into the waters of the Ohio. The fact, that the lakes and the northwestern waters of the Mississippi are almost in the same basin, is abundantly proved by the circumstance, that in the whole extent of lakes Erie and Michigan, the Ohio, Illinois and Mississippi waters rise within a few miles of the waters of these lakes, and almost interlock with the short streams, that run into them.

The basin of the Mississippi is thence not very distinctly marked near the western extremities of those lakes to the high and yet marshy prairies, and shallow lakes on the table ground, whence Red river of the north, the waters of Winnipeek lake, and those that take directions towards the Arctic sea, are separated from those of the Mississippi. Hearne and Mackenzie have traced their way over these dreary and inhospitable regions to the Western sea. They have been traversed by a hundred half-breed Indians, and Canadian hunters. But we have as yet no very accurate estimates of the distances between these head waters of the Mississippi, that rise in plashy lakes covered with wild rice, and those of the Missouri, which rise in elevated and rock bound mountains. From the head waters of the Missouri, along the vast ridge commonly called the 'Rocky mountains,' the valley of the Mississippi is still more distinctly and grandly marked, than on its eastern extremity. The waters of the Yellowstone, the Platte, Arkansas and Red rivers wind along between the exterior ridges of these mountains, and having made their escape, meander through the vast and open plains, that spread to the east, until they find a common union in the Mississippi. There is another ridge of the Rocky mountains, which separates the waters of Arkansas and Red rivers from those of the Rio del Norte; and this ridge traverses the Mexican states of Texas and Coahuila, to the low marshes and prairies on the gulf of Mexico.

Such is the magnificent outline of this immense valley, comprising more than a thousand leagues in its circuit, and extending in its length from the sources of the Mississippi, nearly in the forty-ninth parallel of north latitude, to the gulf of Mexico in 29° north, leaving out of the calculation cape Florida, which extends considerably farther south; that is to say, it extends in length 20° in latitude,

and 30° in longitude. Tracing the distance by the meanders of the rivers, from Oleanne point, on the Alleghany, to the highest point of boat navigation on the Missouri, the distance will be nearly five thousand miles. From the highest point of boatable waters on the Tennessee to the highest point, to which boats can ascend on Arkansas and Red rivers, and the distance by the same measure is at least three thousand miles. In short, examined in any of its dimensions, this valley presents to us the extent of a continent. We need only examine this distance, as laid down on the graphic scale, to which we have alluded, to be struck with the prodigious extent of comparative plain between the Alleghanies and the Rocky mountains.

There is another feature, in which this valley differs from most other large basins of rivers. Most of the other long and large rivers rise, and fall into the sea nearly in the same climate. We recollect no other river, but the Mississippi, that rises in frozen regions, and far to the north, and continues to bend its course to the south, still acquiring the temperature of more genial climates, until it discharges its waters into the sea in the region of the olive, the fig, and the sugar cane. From this singular configuration of the valley results, as we shall have occasion to observe, its great diversity of climate.

There is another singular circumstance in the physical character of this valley. The great ranges of mountains, that bound it on its eastern and western extremities, stretch along comparatively near their respective oceans. For instance, no one of the Atlantic rivers, that rises in the Alleghanies, has any thing like so long a course, as the Ohio, or the Tennessee, although neither of these rivers, in reaching their parent channel, has traversed half the width of the Mississippi valley.

Although the brevity of our limits will necessarily exclude much detail, touching the geological structure of this immense valley, we can hardly fail to remark, that it almost every where presents the aspect, of what is called secondary formation. Carbonate of lime, or strata of sand stone, in lamina of wonderful regularity, masses of lime stone, in which sea shells, or organic remains, generally of the class *Encrinites and Productus*, are imbedded, retaining their distinct and original form, are the prevailing rocks of this valley. The lime stone is for the most part of the class, commonly called blue lime stone, of the metaliferous, or oolitic character. At every step the aspect of a country, once submerged under lakes, or seas, presents itself. The soil, stones, and exuvise of lake and river origin and formation, are, apparently, of comparatively recent origin. Viewing these regions, as nature has left them, they have something of that fresh aspect, which, we may suppose, the earth had, when Noah first deserted the ark. The strata of stone, and the layers of earth are of wonderful regularity, and in the mountains and hills the former have a uniform position, either horizontal, or in an angle of regular dip, either to, or from the horizon. Along the courses of the great rivers, the bluffs are generally carbonate of lime, with a considerable proportion of argillaceous matter, alternated with slate, or sand and pudding stone. Smaller masses, or boulders of granitic rock, are seen in many places, but never in position, as though native. Nothing strikes the traveller with more surprise, than the enormous masses of rock, that he sees in these regions, either from their forms, or position, evidencing the cliffs, from which, by some agent, they were detached. In other instances, we see them on alluvial plains, evidently far removed from their native beds. The carbonate of lime, probably, constitutes more than nine tenths of

the whole, and is more or less pure; but generally enough so, to be susceptible of being burned into lime. At the depth of the bed of the rivers, it is often a yellowish gray marble, and nearer the surface blue lime stone.

As the great rivers approach the gulf, the bluffs are composed of greater proportions of earth, and less of stone. Harder rocks disappear, and the stone seems an argillaceous matter, apparently in an intermediate state between clay and stone. The inhabitants believe with confidence, that the stones here form in this way. Where the Mississippi has torn down the Chickasaw bluffs, those of Natchez and fort Adams to their base, the regular strata of red, yellow and white layers, drawn along from point to point, with pleasing and wonderful regularity, strike the eye, as not among the least curious objects on the way down the Mississippi.

The last stones, that are seen on the bluffs of the Mississippi, as we approach Natchez, seem of this intermediate character, between stone and clay. Such is the formation of the first impediment to the navigation of Red river, as we ascend it, at the place called 'Rapions,' and such the substance of the rocks at Rapide, on Red river. At about the same distance from the gulf, on the eastern side of the Mississippi, in Florida, and at St. Stephens in Alabama, a similar kind of soft rock, with a base of lime, is found in the rivers and brooks, at a moderate depth from the surface, and spreads over a great extent of country, towards the gulf, called in the vernacular phrase of the country, 'rotten lime stone.' It is supposed to communicate to the waters a character of unhealthiness. The rock, however, hardens by exposure to the air; and from its abundance, the regularity of its strata, and the ease with which it is wrought, becomes a very useful article in building.

Stone coal, as we shall have to remark, in treating of particular sections of this country, of different qualities, and at different depths, is found over all this valley. It abounds on the western slopes of the Alleghanies, as we approach Pittsburgh and Wheeling. In many places in the eastern parts of Ohio, it is the principal fuel used, and it is found in places too numerous to be here specified.—Generally, in the bluffs of the Ohio and the Mississippi, where it is found, the strata become visible, when the waters are low. It is for the most part overlaid with slate, and underlaid with sand stone; and the veins are of all thicknesses from a few inches to many feet. It is generally of a good class, easily combustible, but yielding a strong sulphureous and carbonaceous smell.

Not only these indications of secondary and recent formation are manifest in this coal, often retaining in its structure the distinct appearance of bark, grain, knots, and other traces of its original character, as wood; but in the alluvial soils, at depths of from twenty to an hundred feet, are found pebbles, smoothed by the evident attrition of waters, of porphyritic and amygdaloid characters, having the appearance of those masses of smoothed pebbles, that are thrown on the sea shore by the dashing of the surge. Leaves, branches and logs are found in the alluvial prairies, at great distances from the points, where wood is seen at present; and at great depths below the surface. In the most solid blocks of lime stone, split for building, we have seen deers' horns, and other animal exuviae incorporated in the solid stone. We have remarked, that in various parts of the valley, the lime stone bluffs are found to be composed of rocks, in which marine shells, and organic remains of the *Encrini*, *Terebratulæ* and *Productus* classes, form a considerable part of the material, and are in many instances as distinctly visible, as they would be detached, and on the sea shore.

We do not intend in these introductory remarks, to enlarge upon so copious an article, as the geology of this valley. We reserve more particular remarks for sectional heads of this subject. We dismiss the subject here, by observing, that the valley itself is universally, of what geologists call secondary formation, with here and there boulders of granitic rock, out of place; that the western slopes of the Alleghanies are generally, of what is called the transition character; that the southern extremities of the lakes are transition, and the northern granitic and primitive in their formation; that the Rocky mountains are, for the most part, primitive, until we approach the gulf of Mexico, in the Mexican state of Texas, where the strata of rock again appear to be blue lime stone. Over all the immense valley between these limits, there are marks of recent formation,—apparent indications, as Volney conjectured, that the country was once submerged, and has, not many ages since, emerged from under waters; and that to casual inspection, the vallies, the bluffs and the hills, the regular lamina of stones, and strata of soil, the marine exuviae, and in short, all the physical aspects of the country, wear the appearance of once having been the bed of seas, or fresh water lakes.

From its character of recent formation, from the prevalence of lime stone every where, from the decomposition which it has undergone, and is constantly undergoing, from the prevalence of decomposed lime stone in the soil, probably, results another general attribute of this valley—its character generally for uncommon fertility. We would not be understood to assert, that the country is every where alike fertile. It has its sterile sections. There are here, as elsewhere, infinite diversities of soil, from the richest alluvions, to the most miserable flint knobs; from the tangled

cane brakes, to the poorest pine hills. There are, too, it is well known, towards the Rocky mountains, wide belts, that have a surface of sterile sands, or only covered with a sparse vegetation of weeds and coarse grass. But of the country in general, the most cursory observer must have remarked, that, compared with lands, apparently of the same character in other regions, the lands here obviously show marks of singular fertility. The most ordinary, third rate, oak lands, will bring successive crops of wheat and maize, without any manuring, and with but little care of cultivation. The pine lands of the southern regions are in many places cultivated for years, without any attempts at manuring them. The same fact is visible in the manner, in which vegetation in this country resists drought. It is a proverb on the good lands, that if there be moisture enough to bring the corn to germinate, and come up, they will have a crop, if no more rain falls, until the harvest. We have a thousand times observed this crop, continuing to advance towards a fresh and vigorous maturity, under a pressure of drought, and a continuance of cloudless ardor of sun, that would have burned up and destroyed vegetation in the Atlantic country.

We have supposed this fertility to arise, either from an uncommon proportion of vegetable matter in the soil; from the saline impregnations mixed with the earth, as evidenced in the numberless licks, and springs of salt water, and the nitrous character of the soil, wherever, as in caves, or under buildings, it is sheltered from moisture; or, as we have remarked, from the general diffusion of dissolved lime stone, and marly mixtures over the surface. In some way, spread by the waters, diffused through the soil, or the result of former decomposition, there is evidently much of the quickening and fertilizing power of lime mixed with the soil.

FACE OF THE COUNTRY, &c. Our prescribed limits will necessarily dictate brevity to us, in touching on this topic. The Alleghany mountains, as is well known, stretch along in ridges, that run parallel to each other, with great uniformity. They form the eastern rampart of this great valley. The middle ridge appears to be generally the most elevated; to separate the waters of the Atlantic from those of the Mississippi; and gives name to the rest. Another of these ridges has the name of the Laurel ridge, from the number of laurels growing on its sides. Approaching these ridges, they are a sublime object, as seen in the distance. They rise before you, apparently an impassable barrier, their blue outlines pencilled, like clouds, on the sky, and their northern and southern extremities both running beyond the reach of vision. The ascent from the Atlantic side is generally more abrupt and precipitous, than is the descent towards the valley of the Mississippi.

The last western range exhibits, very strikingly, the regular distribution of the lamina of lime stone, and the uniformity of their dip, as though they had been laid, stratum upon stratum, by art. The composition is, for the most part, either lime stone, argillite, gray wacke, and combinations of slaty matter with sulphate of iron; in short, those kinds of combinations, which occur between metalliferous lime stone, and inclined sand stone. Between the Alleghany mountain and the last western ridges, the tributaries of the Ohio begin to show themselves in the form of rivers. Their murmur is heard, as they rapidly roll along their rocky beds, breaking the stillness of the mountain forest; and they often wind great distances, before they find their place of escape from the mountains. The scenery on one of the transits over the mountains has arrested the attention of most travellers. A turnpike road leads near,

where the Loyallhanna has divided the Laurel ridge to its base. The view, that appertains to this chasm, is at once striking and sublime. A beautiful mountain stream, overhanging mountains, the breeze sweeping down the sloping forest, profound solitude, the screaming of the jay, and the dash of the river, rolling rapidly along its rocky bed, and its waters hidden under the shade of laurels, conspire to soothe and elevate the mind.

After we descend the last mountain summit towards the valley, the country is still a succession of high hills, generally rounded smoothly down their declivities, and with more or less of table plain on their summits. On the very tops of the Alleghanies we discover the indications of approach towards the region of coal. On the summits of the hills beyond the mountains, the eye not only traces it among the clay slate, by the blackened surface of the road, but the sense of smell detects it in the atmosphere about the houses, and indicates, that in the midst of woods, it is the easiest fuel to procure. Its dark smoke streams from the funnel of the blacksmith's forge. Pittsburgh and Wheeling are blackened with its impalpable effluvia.

Following the course of the Alleghanies, south of the Ohio, and along the foot of the ridges is generally a country of undulating and elevated swells, covered, while in its natural state, with a heavy forest. The country about Pittsburgh may be called hilly, though there are few hills so precipitous, as not to be susceptible of cultivation.—Through the Pennsylvania and Virginia sections of the Mississippi valley, you traverse hill beyond hill, generally with small and fertile valleys between them. Some of these hills have almost the character of mountains. They are for the most part, however, susceptible of good roads.

On the national road, as we descend the last mountain towards Brownsville, and the valley of the Monongahela,

the eye takes in an horizon, as broad as it can reach, of hills, valleys, orchards, and pasture grounds of champaigne and rich country in the two states. The contrasts of the open pastures and fields, pencilled by a perfectly straight line on the edge of the thick forests, and on the rounded summits of the hills, afford a delightful prospect. The finest parts of the interior of New England will scarcely compare with this view. The same may be said of views of Tennessee and Kentucky, as we successively approach them, in coming over the mountains from North Carolina and Virginia. After we have left the immediate vicinity of the mountains, Kentucky is neither hilly, nor level, but has a general surface of delightful undulation. There are beautiful and extensive valleys, with only sufficient irregularity of surface to carry off the waters. Such is that charming valley, of which Lexington is the centre; and such is that, embracing the barrens of Green river.

Tennessee is more generally hilly. The great ranges of the Alleghanies diverge, in separate mountains in this state, and divide it into two distinct sections, called East and West Tennessee.

Keeping parallel with the mountains, and still advancing south, in Alabama the hills begin to subside, although the northern and western parts of this state may still be called mountainous. But, on entering this state, the features of the country begin manifestly to change. On the hills, instead of oaks and deciduous trees, we begin to hear the solemn hum of the breeze in the tops of long leaved pines. We have a long succession of pine hills, and fertile valleys between them. We soon mark another very striking change in the landscape. In coming from the Ohio, we have seen the country, in a state of nature, universally covered with a thick forest, generally of deciduous trees, with here and there a rare holly tree, or other ever-

green. We have afterwards traversed extensive pine forests of the black, or pitch pine, with tall, straight trees, and the earth beneath them free from under brush, covered with grass, and almost entirely destitute of stones. In the rich alluvial valleys we remark a considerable portion of laurels. The forests preserve an unvarying verdure through the winter. We begin to notice these forests first giving place to the barrens, with a few sparse trees, arranged, as in an orchard. These barrens are soon succeeded by prairies, or savannahs, as they are here called. The hills have subsided to extensive, level and grassy plains; and this order of landscape continues, until we meet the belt of pine forest, that skirts the gulf of Mexico. Its swampy and equable surface rises but a little above the level of the gulf, and is separated from it by a margin of sand, driven into heaps by the mutual and incessant action of the wind and the sea.

Beginning again on the north side of the Alleghany river, and descending that river between the north bank and the lakes, the first portion of the country is hilly; but, as we descend between the Ohio and the lakes, the country, though in some places, particularly along the Muskingum, hilly, is generally only gently waving, and is on the whole more level, than the south side of the Ohio.—Approaching the lakes, the country becomes quite level; and there are various places on the northern parts of Ohio, Indiana, and Illinois, near the lakes, where the country is so level, marshy and low, as in winter and spring to be covered with water from four inches to a foot in depth. The northeastern parts of Ohio may be considered hilly. In passing on the great road from Wheeling to Cincinnati, there are, indeed, near the Scioto, considerable plains. But the general aspect of the country presents fine elevations, often a league across, with rich table land on the

summits, and the declivities susceptible of cultivation. For five or six miles from either bank of the Ohio, there are, almost universally, high hills of a singular configuration, known by the name of the 'Ohio hills.'

From the Scioto the aspect of the country is more level; and on the waters of this river we begin to discover our approach to the wide prairies of the west. We open upon the fine, level Pickaway prairies, or plains; and thence through the northern parts of this state, advancing west, along the plains of Mad river, and into Indiana, prairies become more common in the same proportion, as we advance farther west. The general surface of the timbered country is more level. As we approach the Ohio, the forest becomes more dense and uniform, and that river, in its whole course, originally rolled through an unbroken forest. In Indiana the proportion of prairie land is far greater, than in Ohio; and in Illinois it has an immense disproportion over the timbered country. Back of Shawneetown, and between the waters of the Saline of the Ohio, and those of the Mississippi, from the base of this level country springs up a singular chain of hills, which a recent traveller has seen fit to dignify with the name of mountains. The remainder of the state of Illinois may be for the most part designated, as a country of prairies and plains.

Beyond the state of Illinois, advancing north on the east side of the Mississippi, pine hills, ponds, lakes, marshes and prairies alternate to the sources of that river. The plashy regions in that quarter are covered with thick wild rice, and there Providence has provided inexhaustible pasture for the countless numbers and varieties of wild water fowls, that migrate to these regions to fatten in the autumn, before their return to the south. Near Rock river of this region we come upon the hills and swells of land on that

extensive district called the mineral country, where the ores of lead are so plentifully found.

The surface of the country west of the Mississippi is generally much more level, than it is east and south of it. There are bluffs, often high and precipitous, near the great water courses. Not far west of the Mississippi there is much country covered with flint knobs, singular hills of conical shape, that with a base of a mile in circumference often rise four or five hundred feet high, and are covered on their sides with *fleche*, or arrow stones, of a siliceous substance, not unlike flints, and used as substitutes for them. There are, as in the country between the St. Francis and White river, hills, that might almost warrant the designation of mountains, appearing to be continuations of the Alleghanies, whose spurs seem to cross the Mississippi in the Chickasaw bluffs, and to be continued to the west in the St. Francis hills. But the general surface of the country, between the Mississippi and the Rocky mountains, is, comparatively speaking, a vast plain, probably, as we have remarked, the largest one on the globe. Except in the bluffs of the rivers, and on the flint knobs, it is, on the surface, free from stones, to an astonishing degree. The surface of prairie, a hundred leagues west of the Mississippi, is, probably, in comparison with the timbered country, as twenty to one. The little timber, that is seen, occurs only on the skirts of water courses. In proportion, as we recede from the margins of the Missouri, the Platte, the Yellowstone, Arkansas and Red rivers, the prairies become more dry, sterile, and destitute not only of wood and water, but of all vegetation. Travellers wander for days in these desolate wastes, without having either wood or water in their horizon, over sandy deserts, scantily covered with coarse grass and weeds. This is the appropriate range of the buffalo. In

some parts, there are, in fact, wastes of moving sand, like those of the African deserts.

On the lower courses of the Missouri, St. Francis, White, Arkansas and Red rivers, we see extensive alluvions skirting their banks, of great and inexhaustible fertility. The alluvial prairies, too, in these regions teem with vegetation. But on their upper waters, as soon as we have receded from a narrow and fertile belt on their shores, the boundless waste of the prairies beyond seems destined to be the last resort of buffalos, or the region of herds of domestic cattle, attended by migrating shepherds.

MOUNTAINS. We have seen, that the general character of the Alleghany ridges is, to stretch along in continued and parallel lines, the central ridge of which gives name to the rest. The spurs of these ridges, which in Kentucky, and particularly in Tennessee, under the names of the Bald, Iron, Laurel, Yellow, Unaka, Copper, Clinch, Powell's, Cumberland, &c. originate streams, diversify and give grandeur to the scenery in these states, are all in cultivated and populous regions, and will be described under the heads of the states, in which they lie. The cliffs and rocks, of which they are composed, bear, as we have remarked, the general character of transition formation; and the strata have that lamellated regularity, and that uniformity of dip, or inclination, which have been scientifically described by geologists. These circumstances are so obvious and striking, as to produce even in unobservant eyes a degree of surprise.

That immense range of lofty mountains, which gives rise to the long rivers, that wind through such an immense extent of prairies, and come into the Mississippi on the west side, in almost its whole course runs wide from the limits of cultivation, and the haunts of civilized man.—

Their formation, character, and height are comparatively but little known, and present descriptions of them must necessarily be vague and general. They will for ages only attract the gaze and astonishment of wandering hunters, or occasionally a few enterprising travellers, that will scale their summits on their way to the Western sea. Now and then a savage, differently constituted from the rest, will pause on their snowy crags, be impressed with their sublimity, and think of the Great Spirit. The rest will continue to date their eras from the time, when they hunted on their eastern, or western declivities. It will be long, before the detached mountains, and the prominent peaks will be named, classed and described. It does not appear, that many of them rise above the regions of perpetual ice. Though, from the passage of Lewis and Clark over them, and the concurrent testimony of others, in the latitude of 47° north, there appears to have been immense quantities of snow on their summits, between the Missouri and Columbia, in the months of June and July. They are seen, like a vast rampart, rising from the grassy plains, stretching from north to south. Sometimes their aspect is that of continued ranges, of a grayish color, rising into the blue of the atmosphere, above the region of the clouds. A greater number are black, ragged and precipitous; and their bases strewn with immense boulders and fragments of rock, detached by earthquakes and time. From this iron bound and precipitous character, they probably received the appellation, 'Rocky mountains.'

Whether any of them are volcanic, or not, is not certainly known. We have often seen large masses of pumice stone floating on the Mississippi, and still oftener on the Missouri. They are generally of a reddish yellow, or flame color, and are among the largest and finest specimens of this kind of stone. that we have seen. Whether dis-

charged from volcanic mountains, or, as others assert, from hills of burning coal, is not certainly known. Mica is abundantly carried along by the waters, that flow from these mountains.

There can be no doubt, that these ancient and magnificent piles are of primitive formation. They are much higher, more rugged, and have generally a more Alpine character, than the Alleghanies. They have, apparently, about the same distance from the Western sea, that the former have from the Atlantic. The great rivers, that are discharged from their eastern and western declivities, wind still further between their interior and exterior ridges, in finding their passage through them. The Columbia, or Oregon, on the west, and the Arkansas on the east, wind more than an hundred leagues, in search of a place of escape from the mountains.

As on the Alleghanies, the rivers, that run in opposite directions from these mountains, generally have their sources near each other. In following the beds of these rivers up to their sources in the mountains, we find the easiest paths and the gentlest acclivities, by which to cross them. The character which they had gained, of being continuous, high, and every where alike rugged, and a barrier, almost impassable, between the regions east and west of them, from the descriptions of the first adventurers, who crossed them, seems now to have yielded to a very different impression. Various leaders of expeditions of trappers have crossed these mountains, in directions more southern, than those of Lewis and Clark. They affirm, that they found none of those formidable, and almost insurmountable barriers, which undoubtedly exist on the route of those distinguished travellers. We have at this moment under our eye extracts from the journal of Mr. Ashley, the leader of an enterprising and powerful

association for procuring furs, who has crossed these mountains at different points. This journal narrates the account of a passage over them, from the sources of the Platte to lake Bueneventura, on the western side. It asserts, that he found an easy passage even for loaded carriages; with an ascent no where as sharp, as on the national road over the Cumberland mountains to Wheeling. He even asserts, that the acclivity was so gentle, as no where to have an ascent of more than three degrees; and that nature has provided not only a practicable, but a good road quite to the plains of the Columbia. The testimony of travellers seems to be uniform, that to the eye, indeed, the ranges are unbroken and continuous. But nature seems every where to have indicated her wish, that no part of the earth should be interdicted by unsocial barriers from communication with the rest. Through the loftiest and most continued ranges there are found chasms, natural bridges, ascents along the beds of rivers, and corresponding descents on the opposite side, that render a passage over them comparatively smooth and easy.

We know not exactly on what ground travellers have classed this vast range into the divisions of the Rocky, Chepywan, and the Masserne mountains. The ranges at the sources of the Arkansas, and running thence towards the gulf of Mexico, have so commonly borne the latter name, that they will probably retain it. A single peak of this ridge, seen as a landmark for immense distances over the subjacent plains, has been called, and we think, ought for ever to retain the name of mount Pike. It is of incomparable grandeur in appearance, and has been differently rated at from seven to ten thousand feet in height. On the ridges of this range the Colorado of the Pacific, the Rio del Norte of New Mexico, the Rochejaune, or Yellowstone, of the Missouri, and the Arkansas and Red

rivers of the Mississippi, that have their outlets at such immense distances from each other, have their sources. It will hence be easily inferred, that this is the highest land of this part of North America.

Geographers have supposed, that it is a circumstance of course, that between all rivers, that have any length of course, there are ranges of hills, more or less elevated, separating the tributary waters of the one river from the other. It is often, but by no means always so, in this valley. Many of the large rivers have no other separating ridge, than a high and marshy plain, that discharges, as has been remarked, its waters from one extremity to the one river, and from the other extremity to the other. But, as a general rule, in the medial regions of this valley, the considerable rivers are separated from each other by ranges of hills, more or less distinctly marked. In this region of plains, where a person may have been born, and travelled to New Orleans, and lived to old age, without ever seeing an elevation, that deserved the name of mountain, these hills become respectable by comparison. These ranges of hills are most considerable in the mineral country in Missouri, between St. Francis and White river, in Arkansas territory, between Washita and Red river, and between the latter river and the Sabine. South and east of the Mississippi, there are considerable ridges of this character in the states of Mississippi and Alabama. These ranges of hills will be more properly noticed, under the description of the states and territories, where they respectively occur.

The general surface of this valley may be classed under three distinct aspects; the thickly timbered, the barrens, and the prairie country. In the first division, every traveller has remarked, as soon as he descends to this val-

ley, a grandeur in the form and size of the trees, a depth of verdure in the foliage, a magnificent prodigality of growth of every sort, that distinguishes this country from other regions. The trees are large, tall, and rise aloft, like columns, free from branches. In the rich lands they are generally wreathed with a drapery of ivy, bignonia, grape vines, or other creepers. Intermingled with the foliage of the trees are the broad leaves of the grape vines, with trunks, sometimes as large as the human body.— Sometimes these forests are as free from undergrowth, as an orchard. Sometimes the only shrub, that is seen among the trees, is the pawpaw, with its splendid foliage and graceful stems. Sometimes, especially in the richer alluvions of the south, beneath the trees, there are impenetrable cane brakes, and tangle of brambles, briar vines, and every sort of weeds. These are the safe retreats of bears and panthers. This undergrowth universally indicates a rich soil.

The country denominated 'barrens,' has a very distinct and peculiar configuration. It is generally a country with a surface, undulating with gentle hills, of a particular form. They are long and uniform ridges. The soil is for the most part of a clayey texture, of a reddish or grayish color, and is covered with a tall and coarse grass. In addition to a peculiarity of feature, more easily felt, than described, the trees are generally very sparse, seldom large, or very small. They are chiefly of the different kinds of oaks; and the barren trees have an appearance and configuration, appropriate to the soil they inhabit. The land never exceeds second rate in quality, and is more generally third rate. It is favorable, in the proper latitudes, to the growth of wheat and orchards. On the whole, this country has an aspect so peculiar and appropriate, that no person, at all used to this country, is in doubt for a moment, when he

enters on the region of the barrens. There are large districts of this kind of country in Kentucky, Tennessee and Alabama. It is common in Illinois and Missouri, and is seen with more or less frequency, over all the valley of the Mississippi.

In this region, and in the hazle or bushy prairies, we most frequently see those singular cavities, called 'sink holes.' They are generally in the shape of funnels, or inverted cones, from ten to seventy feet in depth, and on the surface from sixty to three hundred feet in circumference. There are generally willows, and other aquatic vegetation, at their sides and bottoms. The people here have their own theories, to account for these singular cavities; and as an earthquake is the agent most likely to seize on the imagination, and the most convenient one to solve inexplicable results, they have generally supposed them the work of earthquakes. Others have imagined them the huge wells, from which the domesticated mammoths, and the gigantic races of past generations quenched their thirst. There is little doubt, that they are caused by running waters, which find their way in the lime stone cavities, beneath the upper stratum of soil. We shall see elsewhere, that this stratum generally rests on a base of lime stone; and that between this and the sub-strata, there are often continuous cavities, as we see in the lime stone caverns; and that in these interstices between the different strata of rocks, brooks, and even considerable streams pursue uninterrupted courses under ground. The cause of these sink holes was probably a fissure in the super-stratum of lime stone. The friable soil above found its way through this fissure, and was washed away by the running waters beneath. In this manner a funnel shaped cavity would naturally be formed. In fact, the ear often distinguishes

the sound of waters running beneath, at the bottom of these sink holes.

The remaining, and by far the most extensive surface, is that of the prairies. Although they have no inconsiderable diversity of aspect, they may be classed under three general divisions; the heathy, or bushy, the alluvial, or wet, and the dry, or rolling prairies. The heathy prairies seem to be of an intermediate character between the alluvial prairies and the barrens. They have springs. They are covered with hazle and furzy bushes, small sassafras shrubs, with frequent grape vines, and in the summer with an infinite profusion of flowers, and the bushes are often overtopped with the common hop vine. Prairies of this description are very common in Indiana, Illinois and Missouri, and they alternate among the other prairies for a considerable distance towards the Rocky mountains.

The dry and rolling prairies are for the most part destitute of springs, and of all vegetation, but weeds, flowering plants, and grass. To the eye they are so nearly level, and the roundings of their undulations so gentle, that the eye, taking in a great surface at a single view, deems them a dead level. But the ravines, made by the water courses through them, sufficiently indicate, that their swells and declinations communicate a quick motion to the waters, that fall on them. This is by far the most extensive class of prairies. These are the plains over which the buffalos range. It is these plains, without wood or water, in which the traveller may wander for days, and see the horizon on every side sinking to contact with the grass.

The alluvial, or wet prairies form the last and smallest division. They generally occur on the margins of the great water courses, although they are often found, with all their distinctive features, far from the point, where waters now run. They are generally basins, as regards the

adjacent regions, and their outlines are marked by regular benches. They are for the most part of a black, deep, and very friable soil, and of exhaustless fertility. In the proper latitudes, they are the best soils for wheat and maize; but are ordinarily too tender and loamy for the cultivated grasses. They rear their own native grasses, of astonishing height and luxuriance. An exact account of the size and rankness of the weeds, flowering plants and grass on the richer alluvial prairies of Illinois and Missouri, would seem to those, who have not seen them, an idle exaggeration. Still more, than the rolling prairies, they impress the eye, as a dead level; but they still have their slight inclinations towards their benches, where their waters are arrested, and carried off. But, from their immense amount of vegetation, and from the levelness of their surface, wherever they are considerably extensive, they have small ponds, plashes and bayous, which fill from the rivers, and from rains, and are only carried off, during the intense heats of summer, by evaporation. These ponds, in the alluvial prairies, that are connected with the rivers, when they overflow by bayous, are filled, in the season of high waters, with fish of the various kinds. As the waters subside, and their connecting courses with the river become dry, the fish are taken by cart loads among the tall grass, where the water is three or four feet deep. When the waters evaporate, during the heats of summer, the fish die; and although thousands of buzzards prey upon them, they become a source of pollution to the atmosphere.—Hence these prairies, beautiful as they seem to the eye, and extraordinary as is their fertility, are very unfavorable positions, in point of salubrity. Flocks of deer are seen scouring across these rich plains, or feeding peaceably with the domestic cattle. In the spring and autumn, innumerable flocks of water fowls are seen wheeling their

flight about the lakes and ponds of these prairies. They find copious pasture in the oily seeds of the plants and grasses, that have seeded during the summer.

During the months of vegetation, no adequate idea could be conveyed by description of the number, forms, varieties, scents and hues of the flowering plants, and the various flowers of the richer prairies. In the barrens are four or five varieties of 'ladies slippers,' of different and the most splendid colors. The violets, and the humbler and more modest kinds of garden flowers, are not capable of competing with the rank growth of grass and weeds, that choke them on the surface. Some of the taller and hardier kinds of the liliaceous plants struggle for display, and rear themselves high enough to be seen. Most of the prairie flowers have tall and arrowy stems, and spiked or tassellated heads, and the flowers have great size, gaudiness and splendor, without much fragrance or delicacy. The most striking of these flowers we shall attempt to class and describe, in another place; only remarking here, that during the summer, the prairies present distinct successions of dominant hues, as the season advances. The prevalent color of the prairie flowers in spring is blueish purple; in midsummer red, with a considerable proportion of yellow. In autumn the flowers are very large, many of them of the *helianthus* form, and the prairie receives from them such a splendid coloring of yellow, as almost to present to the imagination an immense surface of gilding.

MINERALS. There are diffused in the different positions of this valley the common proportion of minerals, oxides, neutral salts, fossils, and the different kinds of earths. Salt springs, as we shall have occasion elsewhere to remark, are found in a thousand places, in all proportions of saline impregnation, from water, that is merely brackish, to that,

which is much saltier than sea water. It is obvious to remark, the wise and benevolent provision of Providence for the population of the country, in thus providing, at such distances from the sea, an article so essential and indispensable to the comfort and subsistence of civilized man. Hence it results, that there is no point in this valley, far removed from the means of an easy and cheap supply of this necessary article. The cattle have discovered this impregnation in innumerable licks. It is found in form like a hoar frost, in 'Salt prairie,' between the Osage and the Arkansas. The Arkansas and Red river are at times perceptibly brackish, from the quantity of salt in solution in the water. Nitre is found almost pure, and is lixiviated from the earths in the lime stone caves, that abound in various places. Muriate of magnesia, or Epsom salts, is found in caves in Indiana. Sulphates of iron and alumine are found in greater proportions, than in most countries; and copers and alum might be among the manufactures of this region. Carbonate of lime abounds, as we have seen, every where. Sulphate of lime, or gypsum, is found in various places. We have seen most beautiful specimens, striated with needles in stars, and when pulverized and prepared, of a snowy whiteness,—said to have been brought from the Kansas of the Missouri. Quarries of gypsum are affirmed to exist on the upper waters of the Mississippi, in Tennessee, and in various other places. That call for the use of this material, which would alone lead to adequate search for it, has not yet been heard. It has not been required, or used in building, or the arts; and such is the universal fertility of the soil, that it will be long, before it will be sought after, as a manure. But that time will come, and then, in this region of secondary formation, there can be no doubt, that a sufficiency of this article will be discovered for all the necessities of the country.

On the waters of the Little Sioux of the Missouri, and on a branch of the St. Peters of the upper Mississippi, is found a beautiful species of indurated clay,—constituting a stone of the most singular appearance, commonly called ‘pipe stone,’ from the circumstance, that the savages in all these regions, quite to the Western sea, make their pipes, and sometimes other ornaments, of it. It is said to be cut from the quarry, almost with the ease of wood. It hardens in the air, and receives an exquisite polish of impalpable smoothness. It is nearly of the color of blood; and is a beautiful article for monumental slabs, vases, and requirements of that sort. If it be as abundant, and as easily procured, as has been said, it will one day become an article of extensive use through the country. For, although marble abounds, this is a more beautiful material, than any marble, that we have seen. It has been generally asserted, that an imaginary line of truce extends round the places, where this stone is found, within which the most hostile tribes pursue their business of cutting out stones for pipes in peace.

We have seen frequent specimens of ores, said to be ores of cinnabar. There are, unquestionably, abundant ores of copper and zinc. Copper, it is known, is not found so abundantly on the shores of lake Superior, as it was anticipated it would be. We have seen a vast number of specimens of copper ore, found in different points in this valley. Specimens of pure and malleable copper have been shown to us; one of which, said to have been found in Illinois, thirty miles east of St. Louis, weighed three pounds. There is a river of the upper Mississippi, forty miles above the mouth of the Missouri, called by the French, ‘Cuivre,’ or Copper river, from the supposed mines of copper on its banks. Ores of copper have been found at different points on the Illinois. Iron ore is abun-

and in too many places to be named. Ores of antimony and manganese are occasionally seen; but the progress of the arts, and the circumstances of the country, not having called for these articles, little note has been taken of the discoveries. Hunters and travellers have asserted, that gold dust is brought down to the Missouri by its upper waters, and has been seen on its sand bars at low water. Whether it be so, or whether the shining particles, which they undoubtedly saw, were only of mica or talc, is not known. On the ranges of the Rocky mountains, continued into Mexico, it is well known, the precious metals abound. A great many mines of silver are wrought on the western spurs of the Masserne mountains, near Santa Fe. It is natural to infer, that the same ranges, when thoroughly explored on the eastern side, in the vicinity of the sources of the Yellowstone, Platte, Arkansas and Red rivers, will be also found to have their mines of silver and gold. It is at present asserted, that a silver mine has been recently discovered in Indiana.

The only mines, that are yet wrought in this country, to any extent, are those of iron and lead. Near Pittsburg, and on the Monongahela, in Ohio, Kentucky, Tennessee and Missouri, there are manufactories of iron from native ores, which we shall notice, when we speak of those states.

Lead ore is found in different points of this valley with more ease, and in greater abundance, perhaps, than in any other part of the world. The particular sections of country, where these ores are dug in greatest abundance, are in the county of Washington in Missouri, from twenty to fifty miles west of the Mississippi, on the waters of Big Creek, a river of the Maramec; and near Rock river, at Dubuque's mines, in the state of Illinois; and at Fever river, upon the upper Mississippi. We shall naturally

speaking of these mines, when we treat of the states, in which they are found.

CLIMATE. In a country of such immense extent, the climate must necessarily be various. We must, of course, be brief upon so copious a head. Between the sources of the Mississippi and Missouri, and the gulf of Mexico, there is every variety of temperature, from that of the Arctic regions to that, where flourish the olive and the sugar cane. We may, perhaps, obtain conceptions of some exactness, by inspecting our thermometrical tables of the temperature at different points of the valley. We have resided through the season in the northern, middle and southern regions of it. We are confident, as a general fact, that the climate more exactly and uniformly corresponds to the latitude, than that of any other country. The amount of heat and cold, or the mean temperature through the year, is greater or less, at any place, according as its position is more or less to the south. In ascending the Mississippi from New Orleans to St. Louis, or Cincinnati, in the spring, we take a direction generally north. One of the swifter steam boats will considerably out-travel the progress of spring; and from the region, where the foliage of the trees, and vegetation generally have unfolded into all their verdure, we find the foliage on the banks of the river gradually diminishing, as we ascend; and after we pass the mouth of the Ohio, we shall, perhaps, see the buds on the trees but just beginning to swell. In descending the same river in the autumn, we observe this influence of the climate reversed in a most impressive manner. At Pittsburg the trees are stripped of their leaves by frost. At Cincinnati nature is laying on the last mellow colors of autumn, and the leaves are beginning to fall. At Natchez the forests are still in the verdure of summer. We have

noted this beautifully graduated and inverted scale of the seasons, more than once, in ascending and descending these rivers.

It is very obvious, why climate in this valley should so accurately correspond to latitude. It is an immense basin, spreading from north to south. There are no ranges of mountains, spread across the valley in an eastern and western direction, to change the current or temperature of the winds, or to give a material difference of temperature to places, situated in the same latitude. Hence it is, that in traversing the country from south to north, we discover the diminution of temperature, as marked by that sensible and unerring thermometer, the vegetable creation, very accurately indicating the latitude of the place.

Mr. Jefferson has supposed, that in this valley the temperature is higher, than in the same parallels in the Atlantic country. Dr. Drake and others have successfully combated this idea. Mr. Jefferson asserts, that the reed cane, *myegia macrosperma*, and paroquets, are seen farther north on the Ohio and the Mississippi, than on the Atlantic shore. If it be so, the inference, drawn from these facts, might easily be shown to be erroneous, by showing, that their locality along these streams is fixed by other circumstances, than temperature. On the Tennessee, the cane, finding a congenial soil, and circumstances, on the banks of a river running from south to north, will spread its seeds along those banks to a point more northern, than its native residence. The immense numbers of paroquets, that are seen on the lower courses of the Mississippi, will naturally push their colonies far to the north on that river, where they still find all circumstances, but temperature, the same; where there are old, large and hollow sycamore trees, the favorite haunts of this brilliant bird, furnishing it at once food, shelter and a home.

These regions, sheltered from the damp and cold north eastern gales of the Atlantic shores in the spring, will probably have that season milder and more forward, than in the corresponding latitudes of the Atlantic. But in such a vast basin, inclining from north to south, and permeated in its whole extent by such a river, as the Mississippi, an atmosphere of the cold air of the elevated regions of the table lands at its sources will naturally be set in motion at times by atmospheric changes, and be propelled towards the south. The colder air will often rush down to supply the vacuum, made by the rarefaction of southern temperature. Hence north and south winds,—in other words, winds up and down this valley, frequently alternate, and, together with their collateral winds, the northeast and southwest, are the prevailing breezes felt in the valley. Southern and southwestern gales predominate in the summer, and northern and western in winter. Hence the winter is much more changeable, than that of the Atlantic country, frequently softening, even in its northern parts, from weather, in which the mercury stands below zero, to weather of such mildness, as to invite the people to sit at the open windows in January and February.

In the medial regions of this country the winter commences about Christmas. The severest weather is ordinarily between that time and the second week in February. The common snows are from two to eight inches deep, and they seldom lie many days. We have, however, seen the snow at New Madrid, near 36° north, lie more than a fortnight. North of this mean region, as at Prairie du Chien, on the upper Mississippi, and the Council Bluffs, on the Missouri, that is to say, not far from the climate of New York and Albany, the snow does not fall as deep, as at those places, or lie so long. The cold is sometimes as

severe, but oftener intermits, and is followed by mild, and even warm days.

We may class four distinct climates, between the sources and the outlet of the Mississippi. The first, commencing at its sources, and terminating at Prairie du Chien, corresponds pretty accurately to the climate between Montreal and Boston; with this difference, that the amount of snow falling in the former is much less, than in the latter region. The mean temperature of a year would be something higher on the Mississippi. The vegetables raised, the time of planting, and the modes of cultivating them, would, probably, be nearly the same. Vegetation will have nearly the same progress and periodical changes. The growing of gourd seed corn, which demands an increase of temperature to bring it to maturity, is not planted in this region. The Irish potatoe is raised in this climate in the utmost perfection. Wheat and cultivated grasses succeed well. The apple and the pear tree require fostering, and southern exposure, to bring fruit in perfection. The peach tree has still more the habits and the fragile delicacy of a southern stranger, and requires a sheltered declivity, with a southern exposure, to succeed at all. Five months in the year may be said to belong to the dominion of winter. For that length of time the catt'le require shelter in the severe weather, and the still waters remain frozen.

The next climate includes the opposite states of Missouri and Illinois, in their whole extent, or the country between 41° and 37°. Cattle, though much benefitted by sheltering, and often needing it, seldom receive it. It is not so favorable for cultivated grasses, as the preceding region. Gourd seed corn is the only kind extensively planted. The winter commences with January, and ends with the second week in February. The ice, in the still waters, after that time thaws. Wheat, the inhabitant of a variety of cli-

mates, is at home, as a native, in this. The persimon and the pawpaw are found in its whole extent. It is the favored region of the apple, the pear and peach tree. Snows neither fall deep, nor lie long. The Irish potatoe succeeds to a certain extent, but not as well, as in the former climate; and this disadvantage is supplied by the sweet potatoe, which, though not at home in this climate, with a little care in the cultivation, flourishes. The grandeur of vegetation, and the temperature of March and April, indicate an approach towards a southern climate.

The next climate extends from 37° to 31° . Below 35° , in the rich alluvial soils, the apple tree begins to fail in bringing its fruit to perfection. We have never tasted apples worth eating, raised much below New Madrid. Cotton, between this point and 33° , is raised, in favorable positions, for home consumption; but is seldom to be depended upon for a crop. Below 33° commences the proper climate for cotton, and it is the staple article of cultivation. Festoons of long moss hang from the trees, and darken the forests. The palmetto gives to the low alluvial grounds a grand and striking verdure. The muscadine grape, strongly designating climate, is first found here.—Laurel trees become common in the forest, retaining their foliage and their verdure through the winter. Wheat is no longer seen, as an article of cultivation. The fig tree brings its fruit to full maturity.

Below this climate, to the gulf, is the region of the sugar cane and the sweet orange tree. It would be, if it were cultivated, the region of the olive. Snow is no longer seen to fall, except a few flakes in the coldest storms. The streams are never frozen. Winter is only marked by nights of white frosts, and days of northwest winds, which seldom last longer than three days in succession, and are followed by south winds and warm days. The trees are generally

in leaf by the middle of February, and always by the first of March. Bats are hovering in the air during the night. Fireflies are seen by the middle of February. Early in march the forests are in blossom. The delightful white flowers of the *cornus florida*, and the brilliant red tufts of the Redbud, or *cercis canadensis*, are unfolded. The margins of the creeks and streams are perfumed with the meadow pink, or honeysuckle, yellow jessamine, and other fragrant flowers. During almost every night a thunder storm occurs. Cotton and corn are planted from March to July. In these regions the summers are uniformly hot, although there are days, when the mercury rises as high in New England, as in Louisiana. The heat, however, is more uniform and sustained, commences much earlier, and continues much later. From February to September thunder storms are common, often accompanied with severe thunder, and sometimes with gales, or tornados, in which the trees of the forest are prostrated in every direction, and the tract of country, which is covered with the fallen trees, is called a 'hurricane.' The depressing influence of the summer heat results from its long continuance, and equable and unremitting tenor, rather than from the intensity of its ardor at any given time. It must, however, be admitted, that at all times the unclouded radiance of the vertical sun of this climate is extremely oppressive.—Such are the summers and autumns of the southern divisions of this valley.

The winters, in the whole extent of the country, are variable, passing rapidly from warm to cold, and the reverse. Near the Mississippi, and where there is little to vary the general direction of the winds, they ordinarily blow three or four days from the north. In the northern and middle regions, the consequence is cold weather, frost,

more or less severe, and perhaps storm, with snow and sleet. During these days the rivers are covered with ice. The opposite breeze alternates. There is immediately a bland and relaxing feeling in the atmosphere. It becomes warm; and the red-birds sing in these days, in January and February, as far north, as Prairie du Chien. These abrupt and frequent transitions can hardly fail to have an unfavorable influence upon health. From 40° to 36° the rivers almost invariably freeze, for a longer or shorter period, through the winter. At St. Louis on the Mississippi, and at Cincinnati on the Ohio, in nearly the same parallels, between 38° and 39° , the two rivers are sometimes capable of being crossed on the ice for eight weeks together.

Although the summers over all this valley must be admitted to be hot, yet the exemption of the country from mountains and impediments to the free course of the winds, and the circumstance, that the greater proportion of the country has a surface bare of forests, and, probably, other unexplained atmospheric agents, concur to create, during the sultry months, almost a constant breeze. It thence happens, that the air on these wide prairies is rendered fresh, and the heats are tempered, in the same manner, as is felt on the ocean.

There is a circumstance, pertaining to vegetation in the middle and southern regions of this country, that we have not seen noticed by other writers, but which we have often remarked with surprise; and it is, that the same degree of heat in the spring does not advance vegetation as rapidly, as at the north. We have seen a brilliant sun, and felt the lassitude of the warm spring days continued in succession, and yet have remarked the buds to remain almost stationary, and the development of vegetation almost imperceptible. The same amount of heat at Quebec would have

completely unfolded the foliage, and clothed the earth with verdure.*

DISEASES. A satisfactory account of the diseases of this valley would occupy more space, than we have to bestow upon the subject, and could only be expected in treatises, professedly devoted to medicine. General remarks upon the subject can only be expected here. In such a variety of climates and exposures—in a country alternately covered in one point with the thickest forests, and in another spreading out into grassy plains—in one section having a very dry, and in another a very humid atmosphere—and having every shade of temperature, from that of the Arctic regions, to that of the West Indies, there must necessarily be generated all the forms and varieties of disease, that spring simply from climate. Emigrants from the Atlantic country will always find it unsafe, to select their residence near stagnant waters and creeping bayous, on the rich and heavy timbered alluvions. Yet these, from their fertility, and the ease with which they are brought into cultivation, are the points most frequently selected. The rich plains of the Scioto were the graves of the first settlers. They have long since been brought into cultivation, and have lost their character for insalubrity. A thousand places in the West, which were selected as residences by the first immigrants, on account of their fertility, and which were at first regarded as haunts of disease and mortality, have now a character for salubrity.

On the lower courses of the Ohio, the Wabash, the Tennessee, the Mississippi, and its southern tributaries,—in short, wherever the bottoms are wide, the forests deep, the surface level, and sloping back from the river, the vegeta-

* For table of climate, see Appendix, table No. 1.

tion rank—wherever the rivers overflow, and leave stagnant waters, that are only carried off by evaporation—wherever there are in the bottoms, ponds, and lagoons, to catch and retain the rains and the overflow, it may be assumed, as a general maxim, that such positions will be unhealthy; and more, or less so, as more or less of these circumstances concur. Wherever these causes of disease exist, there is no part of this valley, which has not a summer of sufficient heat and duration, to quicken these causes into fatal action.

The very rich and extensive alluvial prairies of the upper Mississippi, and of the Illinois, which are covered with a prodigious growth of grass and weeds, generally contain marshy basins, small lakes and plashes, where the water from the bluffs and the high lands is caught and retained. They will ordinarily prove unhealthy,—some think, more so, than the timbered country,—until these reservoirs of stagnant waters are all drained, and the surplus vegetation is burned off, or otherwise removed by the progress of vegetation. These places strike the eye delightfully. Their openness, and exposure to be swept by the winds, seemed to preclude them from the chance of sickness. Their extraordinary fertility, and their being at once ready for the plough, held out allurements to immigrants. But there seems to be in the great plan of Providence a scale, in which the advantages and disadvantages of human condition are balanced.—Where the lands are extremely fertile, it seems to be appended to them, as a drawback to that advantage, that they are generally sickly.

Emigrants have scarcely ever paused long enough, or taken sufficient elements into the calculation, in selecting their residence, with a view to its salubrity. When the choice is to be made, they are often encumbered with

families, and generally feel stunted both for time and money, and are in a hurry to commence operations for the provision of their families. They are apt to give too little weight to the most important motive of all which ought to determine their election. A deep bottom, a fertile soil, a position on the margin of a boatable or navigable stream; these are apt to be the determining elements of their choice. The heavy forest is levelled. A thousand trees moulder, and putrify about the cabin. The stagnant waters, that, while shielded from the action of the sun by the forest, had remained comparatively innoxious, exposed now to the burning rays of the sun, and rendered more deleterious by being filled with trunks and branches of decaying trees, and all kinds of putrid vegetation, become laboratories of miasma, and emit on every side the seeds of disease.—When we know, that such have been precisely the circumstances, in which a great portion of the immigrants to the western country have fixed themselves in open cabins, that drink in the humid atmosphere of the night, through a hundred crevices, in a new and untried climate, under a higher temperature, under the influence of a new diet and regimen, and, perhaps, under the depressing fatigue of severe labor and exposure; need we wonder, that the country has acquired a general character of unhealthiness?

There can be no doubt, that in the southern and middle regions of this valley, the wide, level and heavy timbered alluvions are intrinsically more or less unhealthy. It can not be disguised, that in these situations, the new resident is subject to bilious complaints, to remitting fevers, and more than all, to intermitting fever, or fever and ague.—This complaint is the general scourge of the valley.

It is an undoubted fact, explained in different ways, and by different theories, by the people, that even in the most unfavorable positions, on the lower waters of the Ohio, or

even the bayous of Arkansas, or Red river, the immigrant is not so much exposed, while his cabin is still under the shade of the unbroken forest. The most dangerous period is, after the trees have been levelled a year or two, and while they are still decaying about the dwelling. This well known fact would seem to give plausibility to the doctrine, that these deep and grand forests feed their foliage with an atmosphere, that is adverse to the life of man; and that when the forests are cleared away, the miasma, the noxious air, that used to be absorbed and devoured by the redundant vegetation and foliage of the forests, and incorporated with its growth, thus detached and disengaged, inhaled by the new residents, becomes a source of disease.

Another fact, in relation to the choice of a residence, with a view to its salubrity, has been abundantly and unanswerably proved by experience. It is, that bluffs on the margins of wide bottoms and alluvial prairies are more unhealthy situations, than those, in the bottom or prairie, which they overlook. This fact has been amply demonstrated on the Ohio bottoms and bluffs, on the margins of the alluvial prairies of the upper Mississippi, and, in short, wherever a high bluff overlooks a wide bottom. The inhabitants on the airy and beautiful bluffs, that bound the noble prairies of the upper Mississippi, in an atmosphere, apparently so pure, as to preclude all causes of disease, are far more subject to fever and ague, than the people that inhabit below them on the level of the prairies. The same has been remarked of the Chickasaw bluffs, fort Pickering, or Memphis, fort Adams, Natchez, Baton Rouge, and the bluffs, generally, along the great water courses. Yet, though such is the uniform teaching of experience, so deceptive is the salubrious aspect of these airy hills, that swell above the dun and murky air, that seems to lie, like a mist, over the wide bottoms below them, that most people, in choosing

their residence, will be guided by their senses, in opposition to their experience. We know not, whether the theory, by which this fact is explained, is a sound one, or not. It is said, that the miasma, or noxious air from putrid vegetation, and stagnant water in the swamps and bottoms, is specifically lighter, than atmospheric air; that, of course, it rises from the plains, and hovers over the summits of the bluffs, here finding its level of specific gravity; and that, were it colored, it would be seen overlaying the purer strata of air beneath it.

The slopes of the Alleghanies, the interior of Ohio and Kentucky, of Tennessee and Indiana, where the forest is cleared away, and the land has been for a sufficient time under cultivation, where it is sufficiently remote from stagnant waters—the high prairies of Illinois and Missouri—the dry pine woods of the lower and southern country—parts of the plains of Opelousas and Attakapas—considerable portions of Alabama and Mississippi—and, generally, the open country towards the Rocky mountains, may be considered as healthy, as any other country. As a general remark, the inhabitants of this valley are more subject to bilious complaints, than those of the northern and middle Atlantic states; but, probably, not as much so, as those on the sea board of the southern Atlantic states.—Bilious symptoms, especially in the southern regions, are apt to be complicated with all forms of disease. Intermitting fevers are common through all the country, as they were even in New England, in the earlier stages of its settlement, and while it was still covered with forests. It is seldom a severe disease; and in most instances readily yields to the universally established modes of treatment, by previous evacuations, and bark. Sometimes it becomes complicated with other diseases, and assumes a strongly bilious type; and it is then a formidable disease. It is a

well known symptom of this disorder, that it recurs at regular intervals. When the links of the associated chain of disease are formed, if the disorder be cured, it is apt to recur again. All indisposition is apt to take this form; and it has this advantage in security against other diseases, that when a person has been for a considerable time subject to ague, whatever form of disease may happen to assail him, it ultimately runs into the form of ague. But these agues, when often repeated, and long continued, gradually sap the constitution, and break down the powers of life. The person becomes enfeebled and dropsical. *Maraasmus*, or what is called 'cachexy,' ensues. A very common result is, that enlargement of the spleen, vulgarly called 'an ague cake.' This order of disease is most perceptible in the southern parts of the valley.

In the summer and autumnal months bilious fevers are apt to prevail, probably to a greater extent, than in the Atlantic country. But, it is believed, they more generally assume the remittent or intermittent form; that they are not so frequently attended with inflammatory symptoms, and that they more readily yield to medicine. The continued bilious fever of this country, as in other countries, is always a formidable disease. In the lower and southern country, in the heats of summer and autumn, when it prevails in towns and compact villages, it often assumes a malignant type. Prevention here, as elsewhere, is found to be better, than remedy; and avoidance of exposure to night air, to rains, and the direct and continued influence of the sun, and strict temperance in eating and drinking, would, no doubt, prevent many of these terrible diseases. Persons, especially, who are passing through the process of acclimation, ought not only to adopt this plan, but occasionally to take cathartics, followed by the use of bark.—The grand remedies of the western country, it is well

known, are calomel and bark. We have no doubt, that the great quantities of calomel, that are administered, equally by quacks and regular physicians, in adherence to a system, that has grown into a fashion, and which levels all skill to the mechanical application of a certain number of grains of that medicine, will eventually yield to a more discriminating mode of practice. The present course of procedure is too often ruinous to the teeth, and even when the patient is cured, must tend to sap and break down the powers of life.

From the variable character of the winters, and from other causes, rheumatism is a common complaint. Severe colds and pneumonic affections are apt to prevail in the winter. There is but too much propriety, in calling the two first months of autumn, in many places in the south, 'the sickly months.' But, as if to compensate for the prevalence of bilious affections, and the fever and ague, lung consumption is a very uncommon disease, not often witnessed even in the northern regions of the country. Fifty persons fall victims to this terrible destroyer in the Atlantic country, to one, that dies of it here.

It is a very trite, but true and important remark, that in proportion as the country becomes opened, cultivated and peopled, in proportion as the redundance and rankness of natural vegetation is replaced by that of cultivation, the country becomes more healthy. We shall naturally remark again on the peculiar features of disease, in particular sections of the country, when we treat of those sections. We shall only add in this place, that in the southern regions of this valley, the inhabitants are subject to a common and troublesome affection, called the 'bowel complaint.' It is particularly fatal to children. When it is prolonged to a chronic diarrhoea, it is sometimes fatal to adults. It is a very different complaint from that disorder,

which sometimes prevails in the Atlantic country, as a sweeping epidemic—the dysentery. The latter is an uncommon disorder in this region.

TREES AND SHRUBS. It will not be expected, that we shall dwell on this subject, in relation to this country, as professed naturalists. We propose only to take popular views of the subject, which, after all, we suspect, are best understood, most interesting, and most useful. We refer those, who wish to take more detailed and scientific views of this subject, to the writings of Bartram, Bradbury, Pursh, Michaux and Nuttall. The following is believed to be a tolerably ample and exact enumeration of the trees and shrubs, that are common to the Mississippi valley. The divisions of them according to climate will occur in the account of the regions, where they are found.

In forming this catalogue, we have had to encounter the common difficulty of selecting the Linnæan names from conflicting authorities. It belongs to the foppery of the easy assumption of science in botany, as in geology, that different authors either create, or adopt different nomenclatures, as suits their fancy. We would prefer that nomenclature, by which the trees and shrubs have been longest known. It may be, that there are trees and shrubs known in this valley, which are not included here. But it is believed, that few, if any, that are well or familiarly known, are omitted.*

As respects the divisions of these trees, that belong to particular climates, we may remark, that most of the oaks and hickories, and the cotton wood, are common to all the climates. The white, or Norwegian pine, is only found in the north and northwestern and northeastern regions. The

* For table of trees, plants, &c. see Appendix, table No. II.

cypress is not often found north of 36°. The long leaved pitch pine, and the laurel magnolia, are not often seen north of 33°. The live oak seldom extends north of 31°.

On the Alleghany, on the waters of the upper Mississippi, between Rock river and the falls of St. Anthony, and in some places on the Illinois, the Weymouth, or Norwegian pine—the white pine of New England—is found in all its beauty and perfection. It no where has a larger and taller shaft, or a more beautiful verdure of foliage, than on the Alleghany; and it is from the banks of this distant stream, and, it may be, from its waters in the state of New York, that New Orleans is supplied with white pine plank of the greatest clearness and beauty. On the Gasconade, the Osage, and the southern rivers of the Missouri, in the mine country in Missouri, and from that point to the upper waters of White river, and across to the Arkansas, the common short leaved pitch pine is abundant. It is tall, straight, and of a fine size for the saw mill.

The cypress begins to be seen on the swampy and overflowed lands, near the mouth of the Ohio. It is, along with the swamp gum, the most common tree in the deep swamps from that point to the gulf of Mexico. It is in every respect a striking and singular tree. Under its deep shade arise a hundred curiously shaped knobs, called 'cypress knees.' They are regular, cone shaped protuberances, of different heights and circumferences, not unlike tall and taper circular bee hives. We have often remarked a very small cypress sprig, that had started from the apex of one of these cypress knees; and we believe, that it will ultimately be found, that each one of these knees is the natural matrix of the tree. The tree itself always has a buttress, which has the exact appearance of an enlarged cypress knee.

These noble trees rear their straight columns from a large, cone shaped buttress, whose circumference at the ground is, perhaps, three times that of the regular shaft of the tree. This cone rises from six to ten feet, with a regular and sharp taper, and from the apex of the cone towers the perpendicular column, with little taper, after it has left the cone, from sixty to eighty feet clear shaft. Very near its top, it begins to throw out multitudes of horizontal branches, which interlace with those of the adjoining trees, and when bare of leaves, have an air of desolation and death, more easily felt, than described. In the season of vegetation, the leaves are short, fine, and of a verdure so deep, as almost to seem brown, giving an indescribable air of funereal solemnity to this singular tree. A cypress forest, when viewed from the adjacent hills, with its numberless interlaced arms, covered with this dark brown foliage, has the aspect of a scaffolding of verdure in the air. It grows, too, in deep and sickly swamps, the haunts of fever, musquitos, moccasim snakes, alligators, and all loathsome and ferocious animals, that congregate far from the abodes of man, and seem to make common cause with nature against him. The cypress loves the deepest, most gloomy, inaccessible and inundated swamps; and south of 33°, is generally found covered with the sable festoons of long moss, hanging, as it seems, a shroud of mourning wreaths almost to the ground. It seemst to flourish best, where water covers its roots for half the year. When it rises from eight or ten feet water of the overflow of rivers, the apex of its buttress is just on a level with the surface of the water. It is then, in many places, that they cut it. The negroes surround the tree in periogues, and thus get at the trunk above the huge and hard buttress, and fell it with comparative ease. They cut of the straight shaft, as suits their purpose, and float it to a raft, or the nearest

high grounds. Unpromising, as are the places and the circumstances of its growth, no tree of the country, where it is found, is so extensively useful. It is free from knots, is easily wrought, and makes excellent planks, shingles, and timber of all sorts. It is very durable, and incomparably the most valuable tree in the southern country of this valley. It is a fortunate circumstance, that it inhabits the most gloomy and inaccessible regions, which will not come into cultivation for ages. It will of course have a better chance, not to share the fate of the most useful timber on the valuable uplands. The improvident axe soon renders timber difficult to be procured, in a country in the centre of forests. All the cypress forests, however, that are easily accessible, on the lower Mississippi, and its tributaries, have been stripped of their timber by the Mississippi lumberers, who have floated to New Orleans millions of feet of this timber, from the lands of the United States, and who have already created a scarcity of this species on the margin of the Mississippi. There are, however, in the vast swamps of the Mississippi, Arkansas, Red river, and Florida, inexhaustible supplies of cypress still remaining.

The next most useful trees of this region are the oaks, of which there are enumerated in this valley twelve varieties; and there are, probably, more than that number. The most important of these is the upland white oak. It is a larger and handsomer tree, than in the Atlantic country; but is less firm, hard and durable. The same may be said of the swamp white oak, *quercus aquatica*, which grows of a prodigious height, size and beauty. There is the black oak, with large and small leaves; the yellow oak, and the post oak, growing on cold, level, wet and clayey lands. It receives its name from the durability of posts made of it in the ground. It is said to be the most durable timber of the oak kind in the upper country, for boat and ship

building. The overcup oak receives its vulgar name from the size of the cups of its acorns. The Spanish, willow, red and black oaks, have nothing particular to distinguish them. The black-jack is a scrubby and small kind of oak, growing on plashy, and cold, level lands.

South of 31°, in the lower country along the coast of Florida, extending into the interior from sixty to a hundred miles, and along the shore of Louisiana, for half that depth, is the region of the live oak, *quercus sempervirens*. It is not found west of the Sabine. It is not a tall, but a spreading tree, with long lateral branches, looking, at a distance, like an immense spread umbrella. It is a tree, extremely hard, compact, and difficult to cut; and when green, is so heavy, as to sink in the water. It is almost incorruptible. The islands on the shore of the gulf furnish this tree in abundance. It is so difficult to cut down, to burn, or otherwise clear from the soil, that in these islands, which have recently began to be in request, as sugar lands, this tree, elsewhere considered so valuable for ship timber, is regarded as an incumbrance. It is, indeed, valuable for its acorns, affording the finest range for swine. The value of this timber in ship building is well known.

There are enumerated in this country ten or twelve varieties of the hickory. More than half of these we have not seen in the Atlantic country. One of these varieties, *juglans amara, vel porcina*, pignut hickory, is loaded with a nut, whose shell is softer, than an acorn, and the meat to the pressure of the fingers yields a copious oil, of use in the finer kinds of painting. It is acrid, and bitter to the taste.

The large walnut is a fruit of the size of a considerable apple, and is common in the middle regions of the valley.

The peccan is found far up the Mississippi and Illinois, and thence to the gulf of Mexico. It is a tree of beautiful

form and appearance, and the most useful of the whole class, except black walnut, for building and for rails. Its nut is long, cylindrical, and olive shaped, with a shell comparatively soft. The meat lies in two oblong lobes, is easily taken out entire, and excels all other nuts in delicacy of flavor. Unfortunately it soon becomes rancid, and is seldom found in the Atlantic country, in its original perfection.

Black locust, *acacia triacanthos*. This is a common and beautiful tree in the richer soils of the valley. It furnishes a durable and useful timber for rails, and other purposes, and is beginning to be much used in the construction of steam boats, and has been found both stronger and more durable, than any timber, that has yet been used for that purpose. The flowers of this tree yield an exquisite perfume.

The white flowering locust differs in no respect from that of the north.

The sugar maple is very abundant in the northern and middle regions of this valley. The process of obtaining sugar from the sap of this tree is sufficiently well known, and need not be here described. There are various districts, where an ample sufficiency of sugar might be made for the supply of a numerous population. In different parts of Ohio, Kentucky, Tennessee, Illinois and Missouri, it is made, not only for consumption, but for sale. The tree is of itself, apart from its uses, a most beautiful one. It is one of the first, that puts on the livery of spring. The season of making it is generally one of festivity and high holiday. We have tasted loaf sugar refined from it, which could in no way be distinguished from that, made from the cane. The cheapness of the latter kind, the abundance and excellence of its growth in the lower country, and the diminished expense of transporting it to the upper states,

in consequence of the multiplication of steam boats, has diminished the demand for what is called 'country sugar,' and the manufacture of it has decreased, since the use of steam boats.

The black walnut, *juglans nigra*, is a splendid tree, and often grows to a great size. Its nuts much resemble those of the white walnut, or what is called 'butter nut' in the northern states. It is much used in the middle regions of the country, for ornamental finishing of houses, and cabinet furniture; and when rubbed with a weak solution of nitric acid, can be distinguished from mahogany only by an experienced eye.

The white walnut is abundant. An extract of the bark of this tree furnishes an useful and common cathartic.

The sycamore is the king of the western forests. It flourishes alike in every part of the valley, that we have seen. It is the largest tree of our woods, and rises in the most graceful forms, with vast, spreading, lateral branches, covered with bark of a brilliant white. These hundred, white arms of the sycamore, interlacing with the branches of the other forest trees, in the rich alluvions, where it delights to grow, adds one of the distinguishing traits of grandeur and beauty to the forest. A tree of this kind, near Marietta, measured fifteen feet and a half in diameter.— We have seen one on the Big Miami, which we thought still larger. Judge Tucker, of Missouri, cut off a section of the hollow trunk of a sycamore, and applied a roof to it, and fitted it up for a study. It was perfectly circular, and when fitted up with a stove, and other arrangements, made an ample and convenient apartment. We saw this gigantic section of a tree, conveyed on sleds prepared on purpose, and drawn by a sufficient number of oxen to its resting place. It is very common to see this beautiful tree, on the margin of rivers, from ten to fifteen feet in circumference.

The yellow poplar, *tulipifera lirioidendron*, is also a most splendid tree, and next in size to the sycamore. It rears into the air a shaft of prodigious height and size.—The leaves are of beautiful forms. It is a very useful timber for plank and rails, and all the purposes of building, and splits with great ease.

The cotton wood is, probably, more abundant on the lower courses of the Ohio, on the whole course of the Mississippi, Missouri, St Francis, White river, Arkansas and Red river, than any other tree. It is a tree of the poplar class, and in appearance between the Balm of Gilead and the Lombardy poplar. It is a noble and lofty forest tree, and sometimes vies with the sycamore itself for predominance in size and grandeur. It is of singular beauty, when its foliage is but partly unfolded in the spring. We have seen these trees, especially in the valley of Red river, twelve feet in diameter; and there are single trees, that will make a thousand rails. When they are cut in the winter, the moment the axe penetrates the centre of the tree, there gushes out a stream of water, or sap; and a single tree will discharge gallons. On the sand bars and islands of the rivers, wherever the alluvial earth begins to deposite, there springs up a growth of cotton wood, the young trees standing so thick, as to render it difficult for a bird to fly among them, and having, to a person passing at a little distance on the river, a singular appearance of regularity, as though they had been put out to ornament a pleasure ground. The popular name, 'cotton wood,' is derived from the circumstance, that soon after its foliage is unfolded, it flowers, and when the flowers fall, it scatters on the ground a downy matter, exactly resembling short, ginned cotton in feeling and appearance.

Catalpa. Some have undertaken to say, that this is not a tree indigenous to the country. For our part, we have

no question on the subject. We have seen, on the waters near cape Girardeau, catalpas much older than the settlements of the whites in this valley. We have seen them, below the chalk banks on the eastern side of the Mississippi, of a very large size, and evidently of natural growth. It is a tree, beautiful from the great size and peculiar shape and deep green of its foliage. When in blossom, its rounded top is a tuft of flowers of great beauty, and unequalled fragrance. One tree in full flower fills the atmosphere for a considerable circumference round it, with its delicious odors. For the gracefulness of its form, for the grandeur of its foliage, and the rich and ambrosial fragrance of its flowers, and for the length and various forms of its knife shaped, pendant seed capsules two feet in length, we have seen no ornamental tree, which in our view equals the catalpa.

Magnolia grandiflora. Bartram and others, by overrating the beauty of this tree, have caused, that when strangers first behold it, their estimation of it falls too low. It has been described, as a very large tree. We have seen it in Florida, where Bartram saw it. We have seen it in its more congenial position for full developement, the rich alluvions of Louisiana; and we have never seen it compare with the sycamore, the cotton wood, or even the ash, in point of size. It is sometimes a tall tree; often graceful in form; but ordinarily a tree of fourth or fifth rate in point of comparative size in the forest, where it grows. Its bark is smooth, whitish, very thick, and something resembles that of the beech. The wood is soft, and for aught we know, useless. The leaves strongly resemble those of the orange tree, except in being larger, thicker, and having a hoary yellowish down upon the under side. The upper side has a perfect verdure, and a feel of smoothness, as if it was oiled. The flowers are large, of a pure

white, nearest resembling the northern pond lily, *nymphaea odorata*, though not so beautiful; and are, ordinarily, about twice the size. The fragrance, is indeed, powerful, but to us rather sickly and offensive. We have felt, and we have heard others complain of feeling a sensation of faintness, in going into a room, where the chimney place was filled with these flowers. The tree continues to put forth flowers for two months in succession, and seldom displays many at a time. We think, few have been in habits of examining flowering trees more attentively, than ourselves, and we contemplated this tree for years in the season of flowers. Instead of displaying, as has been represented, a cone of flowers, we have seldom seen a tree in flower, which did not require some attention and closeness of inspection, to discover where the flowers were situated among the leaves. We have not been led to believe, that others possessed the sense of smell more acutely, than ourselves. In advancing from points, where these trees were not, to the pine forest, on the water courses of which they are abundant, we have been warned of our approach to them by the sense of smell, at a distance of something more than half a mile; and we question, if any one ever perceived the fragrance much farther, except by the imagination. The magnolia is a striking tree, and an observer, who saw it for the first time, would remark it, as such.—But we have been unable to conceive, whence the extravagant misconceptions, respecting the size, number, fragrance and beauty of its flowers had their origin.

There are six or seven varieties among the laurels of the magnolia tribe, some of which have smaller flowers, than those of the *grandiflora*, but much more delicate, and agreeably fragrant. A beautiful evergreen of this class is covered in autumn with berries of an intense blackness, and we remarked them in great numbers about St. Francis-

ville. The holly is a well known and beautiful tree of this class. But that one, which has struck us, as being the handsomest of the family, is the laurel almond, *laurus cerasus, vel Caroliniensis*. It is not a large tree. Its leaves strongly resemble those of the peach; and it preserves a most pleasing green through the winter. Its flowers yield a delicious perfume. It grows in families of ten or fifteen trees in a cluster. Planters of taste in the valley of Red river, where it is common, select the place of their dwelling amidst a cluster of these trees.

Bois d'arc; maclura aurantica—bow wood—is a striking and beautiful tree, found on the upper courses of the Washita, the middle regions of Arkansas, and occasionally on the northern limits of Louisiana. It inhabits a very limited region; and we do not know, that it is native elsewhere. It has large and beautiful leaves, in form and appearance between those of the orange tree and catalpa; and, taken altogether, is a tree of extraordinary beauty.—It bears a large fruit, of most inviting appearance, and resembling a very large orange. Tempting as it is in aspect, it is the apple of Sodom to the taste. Most people consider it the most splendid of all forest trees. We never saw it in the flowering season. There is a solitary tree, growing in a garden in St. Louis. It was there sheltered by a wall; and we do not know, if it would flourish in a situation so northern, without protection of that kind. We remember to have seen one beautiful tree growing near Natchitoches, apparently native there. It is said, there is no other within a distance of many miles. The wood is as yellow, as that of fustic, and yields a similar dye. It is hard, heavy, durable, and so elastic, as to receive its French name from the circumstance, that all the southwestern savages use it for bows. It is thought to be a wood more incorruptible, than live oak, mulberry, or even cedar. We were invited

to visit the hulk of a steam boat, built above the raft on Red river, whose timbers were entirely of this wood.

China tree. This is a tree more cultivated in the southern regions of this valley, as an ornamental shade tree, than any other. It has fine, long, spiked leaves, eight or ten inches in length, set in corresponding pairs on each side of a stem two feet long. The verdure is of the most brilliant and deep in nature. In the flowering season, the top is one tuft of blossoms, in color and fragrance resembling the lilac, except that the tufts are larger. It holds in flower for a long time. It is a tree of the most rapid growth of any known in our country. These trees, planted out in a village, in a few years completely embower it; and from the intenseness of their verdure, they impart a delightful freshness to the landscape, in that sultry climate. After the leaves have fallen in autumn, the tree is still covered with a profusion of reddish berries, of the size of haws, that give it the appearance, at a little distance, of remaining in flower. Robins immigrate to this region in the latter part of winter, settle on these trees in great numbers, and feed on the berries. They possess an intoxicating, or narcotic quality; and the robins, sitting on the trees in a state of stupefaction, may be killed with a stick. The bark is said to be a powerful vermifuge.

Dog wood, *cornus florida*. Redbud, *cercis Canadensis*. These are both of an intermediate size, between shrubs and trees. The former has a beautiful, heart shaped and crimped leaf, and an umbrella shaped top. It covers itself in spring with a profusion of brilliant white flowers, and in autumn with berries of a fine scarlet. The latter is the first shrub that is seen in blossom on the Ohio. The shrub is then a complete surface of blossoms, resembling those of the peach tree, and a stranger would take it, at that time, to be that tree. The shrubs are dispersed every

where in the woods; and in descending the Ohio, early in the spring, these masses of brilliant flowers contrast delightfully with the general brown of the forest. The first time that the voyager descends this river, the redbud imparts a charm to the landscape, that he will never forget. These two are at once the most common and the most beautiful shrubs in the Mississippi valley. The dog wood, especially, is found every where from Pittsburg to the gulf of Mexico; and, seen through the forests, in blossom, is far more conspicuous for its flowers, than the magnolia. It has been asserted, that the dog wood belonged to the family of the quinquinas. Its bark is certainly a powerful restorative, in cases of the ague.

Pawpaw, *annona triloba*, *ficus Indicus*. This, in our view, is the prince of wild fruit bearing shrubs. The leaves are long, of a rich appearance, and green, considerably resembling the smaller leaves of tobacco. The stem is straight, white, and of unrivalled beauty. In fact, we have seen no cultivated shrub so ornamental and graceful, as the pawpaw. The fruit closely resembles a cucumber, having, however, a more smooth and regular appearance. When ripe, it is of a rich yellow. There are generally from two to five in a cluster. A pawpaw shrub, hanging full of fruits, of a size and weight so disproportioned to the stem, and from under long and rich looking leaves of the same yellow with the ripened fruit, and of an African luxuriance of growth, is to us one of the richest spectacles, that we have ever contemplated, in the array of the woods.—The fruit contains from two to six seeds, like those of the tamarind, except that they are double the size. The pulp of the fruit resembles egg custard in consistence and appearance. It has the same creamy feeling in the mouth, and unites the taste of eggs, cream, sugar and spice. It is a natural custard, too luscious for the relish of most

people. The fruit is nutritious, and a great resource to the savages. So many whimsical and unexpected tastes are compounded in it, that, it is said, a person of the most hypochondriac temperament relaxes to a smile, when he tastes pawpaw for the first time.

Persimon, *dyospyros Virginiana*. From the body of this tree, which resembles that of a mazzard cherry, when pierced, exudes a copious gum, not unlike gum Arabic in appearance. The leaves resemble those of the wild black cherry. The fruit is of the size of a common horse plumb. When green, it is astonishingly astringent. It is only ripened by the frost of winter. There are varieties in its size, from low shrubs to considerable trees. When the small blue persimon is thoroughly ripened, it is even sweeter than the fig, and is to us a delicious fruit. If the best kinds were cultivated, and purchased from beyond the seas, it would probably be much more known, and used, than it now is.

Wild plumbs. The Chickasaw plumb is common from 34° to the gulf of Mexico. It is found in the greatest abundance, and ripens early in June. Prairie plumbs are most abundant in Illinois and Missouri, on the hazle prairies. They are of various sizes and flavors. Their general color is reddish, and their flavor tart. Some of them are large and delicious. For an experiment of the yield, two bushels were gathered from one tree. In places they are found in inconceivable quantities, the surface of acres being red with them. The yellow Osage plumb of this class, when the better kinds are cultivated, are among the most delicious plumbs, we have eaten. So rich and delightful a fruit, and so easily cultivated, well deserves to be transplanted to the Atlantic country.

Crab apple, *pyrus coronaria*. In the middle regions of the valley, on prairies of a particular description, there

are great tracts, covered with an impenetrable mat of crab apple shrubs. The form, color and fragrance of the blossoms are precisely that of the blossoms of the cultivated apple tree. When the southern breeze comes over a large tract of these shrubs in full blossom, it is charged with a concentrated fragrance almost too strong to be grateful.— They are useful as stocks, in which the cultivated apple and pear tree may be engrafted. Their fruit, when properly prepared, makes the finest of cider; and the apple is much used, as a preserve.

Mulberry. There are said to be two species in the country; the white, and the black. We have never seen the white indigenous; but have so often heard it asserted to exist, as a native, that we are compelled to credit it.— The common mulberry is the black, and it is found in every part of the valley, that we have seen. In some places, it constitutes no inconsiderable proportion of the timber. We have seen whole groves of small and young trees, apparently in the right stage to be useful for feeding the silk worm. Experience has demonstrated, that the worm thrives on these leaves, and that the product is of good quality. The wide diffusion, and the great prevalence of the mulberry, the general temperature of the valley, and the condition and habits of the people, clearly indicate to them, that this country ought to devote itself extensively to the making of silk.

In this country of forests, and where there are such numbers and varieties of trees, we might select many other interesting ones for description; perhaps some of them more so, than those, which we have here attempted to describe. The necessary brevity of our limits forbids our enlarging. From Michaux we learn, that our trees are larger, taller, and more of them useful for timber, than those of Europe. The forest has a general physiognomy,

an aspect of luxuriance, which discriminates it to the most superficial observer, from that on the other side of the mountains. We may add, that to us the varieties of trees of the same class appear to be more numerous. We apprehend, that most of the trees of that region are found here, while a number of the trees here are peculiar to this valley. Trees of the same class here are inferior to those, that are there, for the same uses, as timber. They are less tough, elastic and durable. We may add, that the pine forests of the south contain countless millions of tall and straight pines, and would furnish, without sensible diminution, masts and spars for all the navies in the world.

VINES AND CREEPERS. The common grape vine, *vitis sylvestris*, is diffused through all the climates. Nothing is so familiar to the eye of a traveller in this country, as soon as he enters on the richer lands, as to see vines, often of a prodigious size, that are perpendicularly attached at the top to branches, sixty or eighty feet from the ground; and at a great lateral distance from the trunk of the tree. It is a standing puzzle to a young man, first brought into these woods, to task his ingenuity, by putting him to account for the manner, in which a vine, perhaps nearly of the size of the human body, has been able to rear itself to such a height. There can be, however, no doubt, that the vine in this case is coeval with the tree; that the tree, as it grew, reared the vine; and that the vine receded from the trunk, with the projection of the lateral branch, until, in the lapse of time, this singular appearance is presented. In many places, half the trees in a bottom are covered with these vines. In the deep forests, on the hills, in the barrens, in the hazle prairies, and in the pine woods, every form and size of the grape vine presents itself. We presume, there is no scientific and complete description and

arrangement of these vines. The most obvious popular division of them follows.

Winter grape. We suppose this to be the vine above mentioned—the large vine, that so generally clings to the trees in the alluvial forests. The leaves are large, and of a fine, rich green; intermediate, between the size of the leaves of the cultivated grape, and the fox grape. They climb to the top of the highest trees of the forest. Probably, not one in fifty of them bears any fruit at all. The fruit, when produced, is a small circular berry, not unlike the wild black cherry. It is austere, sour and unpleasant, until it has been mellowed by the frosts of winter. But it is said, when fermented by those, who have experience in the practice, to make a tolerable wine.

Summer grape, *vitis æstiva*. We have never seen it in deep bottoms. It is found on the rolling barrens, and the hazle prairies. It has a larger leaf, than the former vine; and the wood of the vine is finely colored of a blueish purple. The grape is more than twice the size of the winter grape, is ripe in the first month in autumn, and when matured under the full influence of the sun, is a pleasant fruit. It grows in the greatest abundance; but is too dry a grape to be pressed for wine.

June grape, *vitis vernalis*. This is a small, sweet grape, found on the islands of the upper Mississippi and Illinois, that ripens in June. We have seen the vine; but have never tasted the fruit. It is said to be the grape, of which the French, in the early periods of their establishment in this country, used to make wine. Various animals prey upon it; and it has almost disappeared from the country.

Parsley leaved water grape, *vitis aquatica*. We have never seen this vine in bearing.

Fox grape, *vitis riparia*, is of the same size, form and quality with the same species on the east side of the mountains. It is very uncommon.

Muscadine grape, *vitis vertucosa*. This vine strongly designates climate. It is seldom seen north of 34°. South of that, it becomes abundant. It is found in the deep alluvial forests, clinging to the tall trees. The vine is smooth, and of a fine olive green; and the leaves are smaller, than those of the cultivated grape. The fruit grows in more sparse clusters, than those of other grapes. Like other fruits, they fall, as they ripen, and furnish a rich treat to bears, and other animals, that feed on them. The grape is of the size of a plumb; of a fine, purple black; with a thick, tough skin, tasting not unlike the rind of an orange. The pulp is deliciously sweet, but is reputed unwholesome.

Pine woods grape. In ignorance of its proper designation, we shall call it *vitis humilior*, from its habit of creeping on the ground. It is agreed, that there are varieties of this fine grape, which, from the frequent burning of the pine woods, is becoming uncommon. It is surprising, how little curiosity has been excited, even where it grows, by this rich fruit. It has a slender, blueish purple vine, that runs on the ground among the grass. It ripens in the month of June; is large, cone shaped, transparent, with four seeds, reddish purple; and is a fine fruit for eating.

On the sandy plains at the sources of Arkansas and Red river, the gentlemen of Long's expedition concur with hunters and travellers, that we have heard relate, that they found large tracts of sand plain, from which grew a grape, which, we infer from the description, to be of the same species of the pine woods grape. They have described the clusters to be large and delicious; and that the sand, drifting about them, covers up the redundant vegetation, performing the best operation of pruning on the vine. The sun, too, strongly reflected from a surface of sand, must have a powerful influence to mature them. It is possible,

that some part of the admiration, which has been felt, in seeing such sterile tracts covered with these abundant and rich clusters, and the high zest, with which they were devoured, may have been owing to the surprise of finding such a phenomenon in contrast with a white and moving sand, and eating the fruit under associations created by hunger and thirst.

The universal diffusion of such numbers and varieties of the vine, would seem to indicate this valley to possess a natural aptitude for the cultivation of the vine. It would be an experiment, it would appear, well worth the trial, to engraft, or bud every variety of the cultivated grape on the stocks of each of these native varieties. It is possible, that the exotics might thus be at once acclimated; and it is not unlikely, that changes might be produced in them favorable to their enduring the climate, and to their flavors and vinous properties.

Bignonia radicans is a creeper, beautiful for its foliage and flowers. It has a vine of a grayish white color, and long and delicate spike shaped leaves in alternate sets. It climbs the largest trees in preference, mounts to their summits, and displays a profusion of large, trumpet shaped flowers, of flame color. Planted near a house, in two or three seasons a single vine will cover a roof, throwing its fibrous and parasitic roots so strongly under the shingles, as to detach them from the roof.

Ivy. There are varieties of this creeper. Every traveller in the rich alluvions has been impressed with the spectacle, exhibited there, of the thousands of large and lofty columns of the cotton wood, wreathed from the ground to the branches with an architectural drapery of this deep verdure. We have seen huge trunks of dead trees so ornamented. It is one of those charms of nature, that never tire on the eye. It is thus, that nature ornaments the pil-

lars of her great temple, to fit it to inspire delight and adoration in the solitary worshipper.

Supple-jack. We have first remarked this creeper in about latitude 35°. The vine resembles that of the muscadine grape; but the olive color is deeper. It is well known to attach itself so strongly to the shrub it entwines, as to cause those curious spiral curves, and inner flattenings, that give its singularity and value to the supple-jack cane. The foliage of the vine is an exact copy in miniature of that of the China tree. The richness of its verdure, the impervious thickness of its dark green foliage, and the profusion of deep black berries, with which it is covered, would render it a beautiful creeper, with which to cover a pavilion, or a piazza.

There is a creeper, which we have not seen noticed by travellers or botanists, and which, indeed, we have not often seen ourselves, and then only on the margin of the Mississippi, between New Madrid and the mouth of the Arkansas. Its vine and foliage somewhat resemble those of the supple-jack. We never saw it climbing shrubs more than ten feet in height. The flowers were long and rich tinted wreaths, on small, flexile, twiny stems, and much resembling the purple blossoms of the pea. They were gathered for the garnishing of the chimney places of the cabins; and we have seen no flowers, that exceeded them in splendor and beauty.

The rich alluvial districts of the lower country of the Mississippi and its tributaries are tangled with creepers, of various kinds, foliage and forms. Some of them are annual, and some perennial. Many of them, as far as our knowledge extends, are non-descripts.

Cane, arundo gigantea, vel myegia macrosperma.—Some assert, that the low and bastard cane and the tall

reed cane are of the same species, and differ only in size and height. Others, and it is the prevalent opinion, assert, that they are varieties. Every one has seen this reed in the form, in which it is used for angling rods. It grows on the lower courses of the Mississippi, Arkansas and Red river, from fifteen to thirty feet in height. We have seen some, in these rich soils, that would almost vie in size with the bamboo. The leaves are of a beautiful green—long, narrow and dagger shaped, not unlike those of Egyptian millet. It grows in equidistant joints, perfectly straight, almost a compact mass; and to us, in winter especially, is the richest looking vegetation, that we have ever seen. The smallest sparrow would find it difficult to fly among it; and to see its ten thousand stems, rising almost contiguous to each other, and to look at the impervious roof of verdure, which it forms at its top, it has the aspect of being a solid layer of vegetation. A man could not make three miles in a day through a thick cane brake. It is the chosen resort of bears and panthers, which break it down, and make their way into it, as a retreat from man. It indicates a dry soil, above the inundation, and of the richest character. The ground is never in better preparation for maize, than after this prodigious mass of vegetation is first cut down, and burned. When the cane has been cut, and is so dried, as that it will burn, it is an amusement of high holiday to the negroes, to set fire to a cane brake, thus prepared. The rarefied air in the hollow compartments of the cane bursts them with a report, not much inferior to a discharge of musketry; and the burning of a cane brake makes the noise of a conflicting army, in which thousands of muskets are continually discharging. This beautiful vegetable is generally asserted to have a life of five years, at the end of which period, if it has grown undisturbed, it produces an abundant crop of seed, with heads very like

those of broom corn. The seeds are farinaceous, and said to be not much inferior to wheat, for which the Indians, and occasionally the first settlers, have substituted it. No prospect so impressively shows the exuberant prodigality of nature, as a thick cane brake. Nothing affords such a rich and perennial range for cattle, sheep and horses. The butter, that is made from the cane pastures of this region, is of the finest kind. The seed easily vegetates in any rich soil. It rises from the ground, like the richest asparagus, with a large succulent stem; and it grows six feet high, before the body hardens from this succulency and tenderness. No other vegetable could furnish a fodder so rich, or abundant; nor, in our view, does any other agricultural project so strongly call for a trial, as the annual sowing of cane, in regions too northern for it to survive the winter. We suppose, this would be in latitude 39°.

Gooseberry. All its varieties are seen indigenous in all parts of this valley. It grows to a great height and size in the middle regions, and covers itself with fruit. We have seen in Missouri a gooseberry hedge, of a height, compactness and thorny imperviousness, to turn all kinds of animals. It would have the advantage of attaining its full size in three or four years.

Privet. This beautiful ornamental shrub, too well known, to need description, is indigenous to various parts of the valley. When clipped, it forms a compact wall of verdure, like the box, used for the same purposes at the north.

Hazle bush. Immense tracts of the prairies are covered with this bush; and the nuts are fine and abundant.

The whortleberry is not so common, as in the Atlantic country; but, where it does grow, is of great size. They are found in great abundance, and in full perfection, at the

bases of the flint knobs, in the St. Francis country, and along the upper courses of White river.

We have seldom seen the red raspberry; but it is said to grow, of fine size and flavor, from the middle to the northern regions of the valley.

Blackberries, high and creeping, are found in prodigious abundance, from the north to the south.

The prairies, in many places, in the season, are red with fine strawberries.

For the rest, the fruit bearing shrubs and plants do not materially differ from those of the Atlantic country. With the exception of the strawberry and blackberry, they are not so common here, as there.

HERBS, GRASSES AND FLOWERING PLANTS. The universal, indigenous grass of this country, in all its climates and extent, covering the millions of acres of the prairies, is what is commonly called prairie grass, *poa pratensis*. It grows equally in the forests and barrens, wherever there is an interval, sufficiently unshaded to admit its growth.—It is tall, coarse, and full of seeds at the top; and when ripe, is rather too wiry for fodder. It is cut for that purpose in September. If it were cut earlier, and before it had lost succulence and tenderness, it would, probably, be excellent fodder. As it is, the prairies yield inexhaustible quantities; and the towns and villages in the prairie regions are copiously supplied. When young, and before it has thrown up its stem, it resembles wheat in appearance. We have seen cattle, turned into the wheat fields in the spring, to eat down the redundant growth of wheat, feed on the grass along the margins of the fields in preference to the wheat.

The only grass, that yields a fine, soft sward, is called blue grass, and is not unlike the common spear grass of

New England. We are not satisfied, whether it be indigenous, or not. We have constantly observed it growing about deserted houses, and Indian villages. On the upper prairies of Illinois, it is said in many places to be displacing the prairie grass. It seems to be, like the robin-redbreast, attached to the abodes of civilized man.

We have recently read, that in the wet prairies of Illinois and Indiana, the fowl meadow grass of New England was growing in abundance. Whether this be fact, or not, whoever would introduce this valuable grass to notice in the wet prairies of the West would be a benefactor to that region.

The rush, *equisetum hyemale*, grows on bottoms, in grounds of an intermediate elevation, between those of the cane brake and the deep overflow. It is found, of a humbler growth, quite to the sources of the Mississippi. But it finds its full development between 36° and 33°. We have travelled among this grass, a perfect mat, as high as the shoulders. Nothing can exceed the brilliance of its verdure, especially, when seen in winter, in contrast with the universal brown. Where it grows high and thick, it is difficult to make way through it; and it has a disagreeable kind of rustling, which produces the sensation, that is called setting the teeth on edge. In northern regions its tubular stock is apt to fill with compact icicles. It is well known to be the favorite range of horses and cattle, and is devoured by them with more greediness, than even cane. When filled with ice, and thus swallowed, it produces a chill in the stomach of the cattle, that is apt to prove fatal. To the cattle and horse boats, that descend the Mississippi, it is an invaluable resource. The cattle and horses, pent up and immovable in these floating barns, for many days in succession, are turned loose, and find holiday pasture in this rich range.

Pea vine. This is a small, fibrous vine, that covers the soil in the richer forest lands. It receives its name from the resemblance of its leaves and flowers to those of the cultivated pea. It is a rich and almost universal forest range for cattle; but when once eaten down, is not apt to renew itself. Of course, it disappears in the vicinity of compact population.

Swamp grass. This grass is found in low, wet and miry swamps, on hassocks elevated above the water. It is of the brightest verdure, remaining green through the frosts of winter. It seems to be the same grass, which grows in boggy meadows in New England. Its sharp edges, when drawn rapidly through the fingers, cut them. In the middle regions of the valley, cattle are driven to these swamps, to subsist through the winter.

Wild rice, *zizania aquatica*, vel *fatuis avena*. By the French, *fals avoines*. By the Indians, *menomene*. It is found in the greatest abundance on the marshy margins of the northern lakes, and in the plashy waters on the upper courses of the Mississippi. It grows in those regions on a vast extent of country. It is there, that the millions of migrating water fowls fatten, before they take their autumnal migration to the south. It is here, too, that the northern savages, and the Canadian traders and hunters, find their annual supplies of grain. But for this resource, they could hardly exist. It is a tall, tubular, reedy, water plant, not unlike the bastard cane of the southern countries. It very accurately resembles the cane grass of the swamps and savannahs on the gulf of Mexico. It springs up from waters of six or seven feet in depth, where the bottom is soft and muddy. It rises nearly as high above the water. Its leaves and spikes, though much larger, resemble those of oats, from which the French give it its name. When it is intended to be preserved for grain, the spikes are

bound together, to preserve them from the ravages of birds and water fowls, that prey upon them in immense numbers. It thus has a chance to ripen. At the season for gathering it, canoes are rowed among the grain. A blanket is spread upon them, and the grain is beaten on to the blankets. It is, perhaps, of all the *cereal*ia, except maize, the most prolific. It is astonishing, amidst all our eager and multiplied agricultural researches, that so little attention has been bestowed upon this interesting and valuable grain. It has scarcely been known, except by Canadian hunters and savages, that such a grain, the resource of a vast extent of country, existed. It surely ought to be ascertained, if the drowned lands of the Atlantic country, and the immense marshes and stagnant lakes of the south, will grow it. It is a mistake, that it is found only in the northern regions of this valley. It grows in perfection on the lakes about Natchitoches, south of 32°; and might, probably, be cultivated in all climates of the valley. Though a hardy plant, it is subject to some of the accidents, that cause failure of the other grains. The grain has a long, slender hull, much resembling that of oats, except that it is longer and darker. In detaching this hull, the Indians use a process of drying, that, probably, in most instances destroys its germinating principle. Those, who have found this grain unpleasant, have, perhaps, eaten it, when smoked, and badly prepared. There is, probably, the same difference in quality, too, as in other grains. The grain, that we have eaten, was as white, as the common rice. Puddings made of it tasted to us, like those made of sago.

Palmetto, *chemærops latanier*. This is a perennial plant, strongly marking climate. It commences in the same regions with long moss,—that is to say, about 33°. It throws up from a large root, so tough as to be cut with difficulty by an axe, and hard to be eradicated from the soil,

large, fan shaped palms; of the most striking and vivid verdure, and ribbed with wonderful exactness. It indicates a deep swampy soil, and there grows six feet in height.—The infallible index of swamp, and southern climate, and having no resemblance to any plant, seen at the north; its foreign aspect, and its deep green, unchanged by winter; when first seen by the immigrant from the north, with a surprise connected with rather unpleasant associations, strongly reminds him; that he is a stranger, and in a new climate. It is used by the savages, and the poorer creoles, as thatch for their cabins; and from the tender shoots of the season, properly prepared, a very useful kind of summer hats, called palmetto hats, is manufactured.

MEDICINAL PLANTS. On this head, but little is yet known of this country; and that little, except the most obvious points, falls within the proper limits of description by a physician. In a climate so various, a soil so prolific, and a flora so immense, as that of the prairies, where such an infinite variety of plants and flowers is renewed, and perishes every season, and in a country so fresh, it may be readily conceived, that the medicinal properties of but very few of the plants have been sufficiently experimented. Most of the medicinal plants of the Atlantic country are found here; and many, that are peculiar to this region.

Varieties of the hop are natives of the country; and the hazle prairies have their clumps of hazle bushes often surmounted with the beautiful wreathings of the clusters of the common hop.

Virginia snake root; a species of ippecacuanna, called Indian physic; American columbo; *frasera Carolinensis*, a plant growing six feet high, and covering itself with brilliant flowers; thoroughwort, *eupatorium perfoliatum*; ginseng; all the varieties of the mints; blood root, *sangui-*

maria Canadensis,—these plants are common, and widely diffused.

May apple, *podophyllum peltatum*, is a beautiful plant, that completely covers the ground, where it grows, with the freshest and most cheering verdure of spring. It has a handsome white blossom, and bears a fruit of the appearance and taste of a lemon. Its root is a powerful cathartic, and has been successfully introduced into medicine as a substitute for jalap.

Seneca, *polygala seneca*; American senna, *cassia marilandica*; poke weed, *phytolacca decandria*; Oswego tea, *monarda kalmiana*; poison sumach, *rhus vernix*; *solanum nigrum*, or nightshade; wakerobin, *trillium cernuum*; golden rod, *solidago odora*; mistletoe, *viscum album*; horehound, &c.—are common.

Strammony, *stramonium datura*, a poisonous weed, perniciously common through the western country. On the richest bottoms, it grows fifteen feet in height, and of a size and compactness, to prevent cattle from running among it. It has splendid flowers, and a great quantity of oily seeds. Its smell is nauseous; and it is a common, and annoying tenant of the villages on the alluvial margin of rivers. In some places, no inconsiderable part of the labor on the highways is to cut up this weed from the roads and outlots of the villages. Its popular name is *jinson*,—probably, a corruption of Jamestown, the place, whence it was said to have been brought. It is used in medicine, in spasmodic asthma.

The next most common and annoying weed along the roads, especially in Louisiana, is a very tall plant, resembling *cassia marilandica*. It renders the paths, and the banks of the bayous in that region, almost impassable in autumn, until the cattle have trodden it down,

Cockle burrs, in the same situations, are excessively annoying weeds, filling the outlots and uncultivated places to such a degree, that the burrs attach to the clothes of passengers, and mat the wool of sheep, running among them, with an inextricable tangle.

Virginia snake root, *aristolochia serpentaria*; wormwood, *artemisia*, all the varieties; southern wood; wormseed; wild horehound, *eupatorium pilosum*; black henbane; *hyoscyamus nigra*, deadly nightshade; *atropa belladonna*; Indian tobacco, *lobelia inflata*; white horehound, *marrubium vulgare*; balm, *melissa officinalis*; among the mints—pennyroyal, *mentha pulegium*, growing to a great size; sarsaparilla, *smilax*; Carolina pink, *spigelia marilandica*; common nettle, *urtica*, every where annoying to the summer traveller in the woods; *valerian officinalis*, common on the Ohio; gentian; all the species of the violets; prairie wax weed, common in the prairies, from four to six feet high, when perforated, exuding a yellow, terebenthine wax of aromatic smell, and to which many virtues are ascribed by the settlers.

We could easily swell this catalogue with the names of a hundred other plants, to which various and powerful medicinal virtues are ascribed by the people. We could add to it the herbs, which are cultivated, as medicinal.—We have merely attempted a brief outline of the most common indigenous medicinal plants of the valley. Almost every family has its *panaceum*, in some herb, or plant, which that family has exclusively experimented. A rich harvest for experiment is yet reserved for the scientific botanist and physician.

The common kinds of aquatic plants are found in the still and shallow waters of the swamps; particularly, a beautiful kind of water lily, highly fragrant, and bearing

no resemblance to the *nymphaea odorata*, which we have not seen here, but which is said to be found in the northern regions of the valley. A singular kind of aquatic vegetation, which has given rise to the fictions of floating islands of vegetation on these waters, is seen to cover great extents of shallow lakes and muddy bayous. It appears, indeed, to float on the water; and great masses of it, no doubt, often are detached, and seen floating, as though there were no roots attached to the soil at the bottom. But we have examined it, and found its twiny stem of many yards in length, bound to the bottom by a thousand fibrous roots. It has a small, beautiful, elliptical leaf, and a diminutive, but delicate white flower. We have sailed, when the bow of the vessel made a furrow through fields of this curious plant. Under them fishes dart, alligators gambol, and, in the proper season, multitudes of water fowls are seen, pattering their bills among these leaves. We have seen this plant designated by the name, *pistia stratiotes*.

Among the flowering aquatic plants, there is one, that for magnificence and beauty stands unrivalled and alone. We have seen it on the middle and southern waters; but of the greatest size and splendor on the bayous and lakes of the Arkansas. It has different popular names. The upper Indians call it *panocco*. We have seen it designated by botanists by the name, *nymphaea nelumbo*. It rises from a root, resembling the large stump of a cabbage, and from depths in the water, from two or three to ten feet. It has an elliptical, smooth and verdant leaf, some of the largest being of the size of a parasol. These muddy bayous and stagnant waters are often so covered with these leaves, that the sandpiper walks abroad on the surface of the leaves, without dipping her feet in the water.—The flowers are enlarged copies of the *nymphaea odorata*, or New England pond lily. They have a cup of the same

elegant conformation, and all the brilliant white and yellow of that flower. They want the ambrosial fragrance of the pond lily; and resemble in this respect, as they do in their size, the flowers of the laurel magnolia. On the whole, they are the largest and most beautiful flowers, that we have seen. They have their home in dead lakes, in the centre of cypress swamps. Musquitos swarm above. Obscene fowls wheel their flight over them. Alligators swim among their roots; and moccasin snakes bask on their leaves. In such lonely and repulsive situations, under such circumstances, and for such spectators, is arrayed the most gaudy and brilliant display of flowers in the creation. In the capsule are embedded from four to six acorn shaped seeds, which the Indians roast, and eat, when green; or they are dried, and eaten, as nuts, or are pulverized into meal, and form a kind of bread.

We have seen a large yellow flower on the arid bluffs of that high limestone wall, that runs, like a huge parapet, between St. Genevieve and Herculanum, on the west bank of the Mississippi. The summit of this parapet has not more than two or three inches of soil, and is bare of all vegetation, but a sparse, seared grass. It was under the burning sun of July, when every thing, but these flowers, was scorched. The cup of the flower was nearly half the size of the common sunflower. It rose only four or five inches from the soil, and covered it, as with gilding. We have seen no description of this striking flower, nor have we seen it existing elsewhere.

Missletoe, *viscus alba*. This is a parasitic plant, which attaches itself to the body and larger limbs of trees,—most frequently the sycamore and the elm. It is common on the trees along the banks of the Ohio, from Cincinnati to New Orleans. The bright green masses of this plant, with copious clusters of transparent, white berries, make a

very singular appearance in winter, when seen clinging to the naked branches. This is the plant, to which the Druids were said to pay divine honors. The agglutinated slime of its berries is used for bird lime.

Long moss, *tillandsia usneoides*. This parasitic and singular vegetation is first seen in company with the palmetto, about latitude 33°. It hangs down in festoons, like the twiny stems of weeping willow. It attaches itself of choice to the cypress, and, after that, to the acacia. These pendent wreaths often conceal the body of the tree, when bare of foliage, to such a degree, that little is seen, but a mass of moss. These wreaths, waving in the wind, attach themselves to the branches of other trees, and thus sometimes form curtains of moss, that darken the leafless forest of winter. It is in color of a darkish gray, and the wreaths are many yards in length. It has a small, trumpet shaped flower, of peach blow color, and seeds still finer, than those of tobacco.—Associated, as it naturally is, with marshy and low alluvions, where it grows in greatest profusion, and with the idea of sickness, this dark drapery of the forest has an aspect of inexpressible gloom. It is, when fresh, a tolerable fodder for horses and cattle, and the deer feed upon it in winter. It soon dies on dead trees. Prepared, something after the manner of water rotted hemp, the bark is decomposed, and the fibre remains, fine, black, strong, elastic, and apparently incorruptible. In this state, in appearance and elasticity it resembles horse hair, and, like that, is used for mattresses. Most of the people in the lower country sleep on them, and they are becoming an article of commerce in the upper country. The creoles make various articles of harnessing, as horse collars, and saddle stuffing, of this article. For these purposes, considerable quantities are exported to the upholsterers and carriage makers in the Atlantic country.

To the eye of a naturalist, no doubt, the infinite varieties of plants and flowers in the forests and on the prairies, that distract the gaze of a common observer, and confound all his attempts to class them, may all have an easy arrangement, 'a local habitation and a name.' To another, an attempt to class them would at first seem like numbering the drops of dew, that fall from them. The friable soil of the western country does not naturally cover itself with the fine sward of the northern Atlantic country. It is the region of coarse grass, tall flowering plants, with gaudy flowers; and to an unpractised eye, presents a flora of great variety. We have not presumed to give the above, as any thing more, than the sketch of a catalogue. Many of the barks of the trees of this valley have medicinal qualities. The numbers, forms and gigantic height of these weeds and plants are not among the least surprising curiosities to an observer of nature.

The following are among the garden flowers, more particularly of the southern regions.

Jessamines, white, cape, Armenian and yellow. Different kinds of sensitive plants. Spanish dagger. Primrose. Jonquils, white and yellow. Iris. Blue and yellow touch-me-not. Violets. Lilies. Roses, monthly, perpetual, moss, scarlet, white, Damascus, multiflora, bell Honeysuckle. Woodbine. Flowering pomegranate.—Bamboo. Myrtle. Altheas, white and red. Crape myrtle. Daffodil. These are the common flowers, where they are not curious in choice, or varieties.*

ANIMALS. We deem it useless to go into detail in the account of animals, which this country has in common

* For catalogue of plants and flowers, see Appendix, table No. III.

with those east of the mountains. We believe, that the catamount, a ferocious animal, formerly seen in New Hampshire and Maine, has not been seen west of the mountains. There is a much greater abundance, if not variety of the deer kind here. The milder winters, the deeper forests, the more luxuriant pastures, the greater abundance and variety of the nut and acorn bearing trees, the more multiplied means of animal subsistence, would give reason to expect a greater profusion of game. Deer, from pairs to twenty together, are so common a sight, even in the settled country, as not to excite much surprise.—Bears, in the middle and settled regions of the valley, are not common; and a bear hunt is there a matter of novelty and excitement. But, high on the Mississippi and Missouri, and on the lower courses of the latter river and its tributaries, in the deep cane brakes and swamps, bears still breed, and range in security; and the planters take the frequent amusement of hunting them. We landed at the cabin of a settler, between White river and Arkansas, who showed the skins of twenty bears, which he had killed that season.

In the northern parts of Illinois, towards the sources of the Mississippi, and southwest of the Missouri, on the Osage, and other wooded streams of that direction, bears are still hunted for their skins and their oil. Bears' oil, which is very liquid, transparent, and, when not rancid, mild and agreeable to the taste, is in those regions extensively used, as a substitute for butter. The hunters ascend the streams at the proper season for hunting them, and pursue the bears in the depths of the wilderness. They remain for the summer season in the woods. Late in autumn they return with bear skins, and the flesh cured, as smoked middlings of pork, and not unfrequently as fat. The oil is put into a perigoue; and we have seen a hunter

paddling one periogue, and having another lashed and balanced alongside, full of oil.

Venison is an important article of food, and of sale in every village of the western country. The markets in the larger towns are abundantly supplied with it. It furnishes one of the substantial elements in the subsistence of a back settler. Hunting the deer is the standing amusement of the southern planter. A night hunt seldom fails to furnish a number of these animals. In the northern regions, and about the sources of the Mississippi and Missouri, the elk takes the place of the deer. The moose is sometimes seen with the elk.

In the vast prairies on the upper Mississippi, Missouri, Arkansas and Red river, and in all the space beyond a belt of a hundred leagues from white settlements, where they are not seen, and the Rocky mountains, the buffalo is the grand object of hunting and subsistence to the savages. The flesh is the chief article of food, not only for the Indians of those regions, but for the white hunters and trappers. The skins furnish their dress, and the couches, the seats, and the ornamental part of the furniture of their cabins. Tanned, and stretched on tent poles, and erected in neat, cone shaped tents, they shelter the savages in their distant migrations from their villages. The buffalo robes furnish one of their most important articles of commerce. Hunting the buffalo is a business of great solemnity, and one of the most important functions of savage life. Every person, engaged in it, has his proper post of honor, and his point of concert with the rest. They used to hunt with bows and arrows, but are now commonly armed with yagers. The attack is generally on horseback. When the attacking party have approached the drove, the religious rites are renewed, and the cavalcade, in confidence of the aid of the Great Spirit, dashes upon them. To be success-

ful, the horses must be both fleet, and well managed. It often happens, that the older and more daring animals turn, and make battle; in which case there is danger to the horse of being gored, and of the rider to be slain.—The animal, in its agony and wrath, is terrible. It sometimes, when the animal is feathered with many arrows, or pierced with many balls, becomes a question, who has slain it. But there are so many witnesses, the wound, among many, that was mortal, is so accurately known, and it is so vital to their peace, that all this should be settled by precedent, that in the division of the spoil, disputes seldom occur. Every part of the animal is prepared in some way for use. A part is preserved fresh, for immediate use. The fat from the intestines is melted, skimmed, and put into bladders for future use, and proves an agreeable substitute for butter. A protuberance on the shoulders, called the ‘hump,’ is the choice part of the animal. The return of such a party from a successful hunt is a season of the highest savage holiday. The skins, which, inwrought into all the furniture of their domestic establishment, are so vital to their comfort, and the surplus furnishing their principal article of traffic, are entrusted for preparation, as are all their more laborious kinds of drudgery, to the squaws. This is a very material part of Indian labor. The method of preparing them is primitive and simple, but slow and laborious, and consists, principally, in smoking, drying and rubbing them. When dressed, they are soft, pliant and durable. By the juice of some vegetable, supposed to be *sanguinaria Canadensis*, fixed by a process, known only to themselves, they paint lines, figures and devices on the buffalo skins, of a beautiful red color, that retains a durable brilliance, unchanged by the sun and air. Among these animals, as among domestic ones, there are the differences of size, age, beauty and

deformity, lean and fat. The males are eatable, only for a part of the year, and the cows are most sought for hunting, as an article of food. No wild animal has a more noble appearance, than a full grown male buffalo. It has been said, that they are of the same species with domestic cattle. From the habits, as well as the appearance of the animal, we should think not. The color is generally of a brownish gray, and much of the wool, or hair, has the fineness of fur, and by the English is wrought into articles of a beautiful fabric, which is becoming an important article of manufacture. They have burly heads, covered with shaggy wool; and this appearance of long and erect hair prevails to the termination of the hump beyond the fore shoulders. They have small and short horns, not more than four or five inches in length, and, compared with domestic cattle, small and fierce eyes; and, viewed all together, have rather a savage and outlandish appearance. But, in fact, they are the same mild animals with the domestic cattle; are easily tamed and domesticated; and the animals, that spring from the mixture of the breeds, are said to unite the desirable properties of both. Their beef is generally preferred to that of the domestic ox. The range of this animal used to extend over all the valley. The eyes of the patriarchal 'residents,' who first fixed themselves in the unbroken wilderness, as they relate, how they used to see countless numbers of these animals scouring through the thickets, brighten in the relation, and view the present order of things with the regrets of hunters. The whites, wherever they have fixed themselves, have waged upon them a gratuitous war of extermination; and these innocent, useful and noble animals instinctively fly their footsteps. They remain in the vicinity of the savages, who destroy no more of them, than subsistence or profit requires. The white hunters have destroyed them for their

tongues only. They still range from Red river of the north to the populous regions of Mexico;—but let the smallest settlement of whites be fixed in their vicinity, and the animals soon draw a line of an hundred leagues of demarcation between them and their enemies.

On the northern waters of the Mississippi, and between that river and the lakes, the muskrat and otter are taken in great numbers for their furs. The flesh of the muskrat is prized in these regions, by the Indians, as a delicacy. We have been present at these highly flavored repasts, when the peculiar smell of the animal perfumed the cabin.

At the sources of the Mississippi, Missouri, Yellowstone, Platte, White, Arkansas and Red rivers, and on all their tributaries, that have courses in the Rocky mountains, the great object of pursuit, both by the hunters and trappers, white and savage, is the beaver. It is the chief mean of gain to the savages; their dependence for their supply from the whites of arms, ammunition, blankets, strouding, traps, whiskey, and all objects of necessity and desire. To these lonely and sequestered regions repair hundreds of white hunters, who hunt for subsistence, and trap for gain. They make their way in companies of armed partnerships, fited out, as a kind of guerillas. Sometimes a pair of sworn friends hunt together. There are not a few, who repair alone to these solitary streams and mountains. Outlawry, avarice, necessity, and appetite for lawless and unrestrained and unwitnessed roving, constant exposure and danger, the absolute need of relying alone upon their own personal strength and resources, create a very singular compound of astonishing quickness of perception and a reckless confidence in their own prowess. We have seen more than one hunter of this cast incurably attached to a solitude of labor and danger, compared with which Robinson Crusoe's sojourn on his island was but a mere pastoral experi-

ment. They furnish an impressive proof that there is no mode of life intrinsically so repulsive and painful, but man may become reconciled to it by habit. A lonely hunter, cast upon the elements, with nothing but prairies and mountains in view, without bread or salt, and every hour in jeopardy from beasts and savages, amidst scenery and dangers, that would naturally tend to raise the heart to God, trusting to no divinity, but his knife and his gun, building all his plans for the future on his traps, regarding the footstep of man imprinted in the sand an object of calculating apprehension, and almost equally dreading the face of the white man and the savage, in situations thus lonely and exposed, braves the heat of summer and the ices of winter, the grizzly bear, and robbers of his own race, and the savages, for years. When he has collected a sufficient number of packs of beaver, he fells a hollow tree, slides it into some full mountain stream, and paddles down the thousand leagues of the Missouri, and is seen bustling about the streets of St. Louis, to make bargains for his furs. There are very simple and obvious marks, by which to class these packs, according to their quality and value. The more northern the range of the animal, the more valuable is the fur; and in the same parallel, those that live in mountain streams are more valuable, than those that live on plains. The habits of this valuable and social animal are well known, and are the same in this region, as elsewhere. The packs are rated by the pound, and pass in many places, as a substitute for money. They are, in fact, the circulating medium of Canadian and Missouri hunters, *coureurs du bois*, and many tribes of savages. St. Louis is the centre of the fur trade in this valley.

Gray, grizzly, or white bear, *ursus arcticus*. His range is on the upper courses of the Missouri, and its tributaries, and along the bases of the Rocky mountains. The

brown bear, except under particular circumstances, does not face man. But this terrible animal, so far from fearing, or flying, pursues him, having less fear of him, than any other beast of prey. Indian warriors, in their vaunting war songs, when they perform what is called 'striking the post,' or rating the bravery of their exploits, recount the having slain one of these animals, as no mean exploit, and, in fact, as not inferior to having slain a human enemy. It is one of the largest and strongest animals of prey, being out of comparison larger, than the brown bear. Lewis and Clark give the dimensions of one, slain by their party towards the sources of the Missouri. It measured round the head three feet five inches; round the neck three feet eleven inches; length eight feet seven inches and an half; round the fore-leg one foot eleven inches; length of talons four inches and an half! The weight is sometimes nearly thirteen hundred pounds. Like the lion and the tiger on the African deserts, he reigns, the ferocious tyrant of these solitudes. The Crow Indians and the *Gros ventres*, who live in the range of this animal, have lost many of their bravest warriors by him. The white hunters are shy of attacking him, except in companies; and many have been destroyed by him. The skin of those in the more northern regions is very valuable. It is rated in value from thirty to fifty dollars. Fortunately he is not very swift; and as he usually ranges in the timbered regions, and, unlike the brown bear, does not climb, hunters fly him by mounting a tree.

Panther, by the French called *tigre*, is a ferocious animal of the cat family. They range the forests, over all this valley. They are of the size of the largest dogs, of a darkish gray color, marked with black spots. They are in shape much like the domestic cat, with short legs, large paws, and long talons. Their head, too, resembles that of

a cat, with whiskers not quite so long in proportion. They purr in the same way when they are in good humor, and seem to have all the habits of the cat. We have often heard their wild, nocturnal cry at the commencement of twilight in the forests. They are dangerous when wounded, and, under particular circumstances, have been known to attack a man. They conceal themselves among the branches of trees, and thence dart upon their prey. They seldom fail to attack a child, should they meet him alone. In the country west of the lower Mississippi, there is sometimes seen an animal of this kind, but much larger, than the panther. We saw a skin of this animal, killed, we believe, not far from Natchez, and it was of the size of a leopard's skin, and of a color, intermediate between the spots of the leopard and the stripes of the African tiger.—There has, probably, been exaggeration, as to the size and numbers of these animals, in the accounts, that have been published of them. But there can be no doubt, that an animal of the panther species, of great size and fierceness, ranges these forests, probably, an occasional visitor from the Mexican regions.

Wolf. There are two species, that are common—the gray, large, forest wolf, and the prairie wolf. We should judge the former to be larger, than the Atlantic wolf. We encountered an uncommonly large one, in the forests between Natchitoches and the Sabine. A very large dog could not be brought to advance towards him, and he sat, and eyed us, at a few rods distance.

The prairie wolf is of a lighter gray, and not more than half the size of the former. They have sharper noses, and a form more resembling that of the fox. They are bold, fierce, cunning and mischievous animals, and, in their bark and howl, not easily distinguishable from the domestic dog. They sometimes travel in packs on the prairies.

We have often heard their shrill and sharp bark by night, from a cabin on the prairies. It was evidently a note of defiance to the dogs of the house. The latter retreat towards the cabin, evidencing fear, and diminishing their bark to a whine, and finally pawing at the door for admission within. They are a most annoying scourge to the farmer, and, in fact, the greatest impediment to the raising of sheep on the prairies.

All the American varieties of foxes, porcupines and rabbits are common; the latter so much so, as to be exceedingly annoying to gardens and young nurseries. They breed in vast numbers in the patches of hazles and vines, that skirt the prairies and barrens.

Raccoons are very troublesome to corn fields, and it is a sport, preparatory to more serious hunting, for boys to sally out, and take them by night.

Woodchucks and opossums abound, and are generally so fat, as not to be able to reach their burrows, if overtaken at a little distance from them. These animals are called by the French, '*cochons du bois*.' They scald off the hair, and dress them, as roasting pigs, and consider them a great delicacy. The singular formation of the opossum is too well known, to need description; but they have one habit, that we have not seen described. They seem to be lazy, reckless and stupid animals; and prove, that the profoundest dissimulation may consist with the greatest apparent stupidity. It is familiar to every one, who has often seen this animal, that when you come upon it, at any distance from its shelter, which is a hollow tree or log, instead of retreating for that shelter, it turns on its side, throws out its legs, and settles its body, its eyes, and its features into the supineness of death. Observers have remarked, that the imitation is perfect in every part of the body, but the tail, and that this retains a living and elastic

coil, that only appertains to life. Even the instinctive shrewdness of the dog is at fault; for he applies his nose to the animal, and turns it over, and passes it by, as a dead animal. This astonishing trait of the instinct, or reasoning of this sluggish animal, is transferred by a figure to men. In the common parlance of the country, any one, who counterfeits sickness, or dissembles strongly for a particular purpose, is said to be 'oppossuming!'

Squirrels. Gray, black, chesnut, and all the smaller varieties of this animal abound. There is no part of the valley, where they do not prey upon corn fields, adjacent to woods, in such a manner, as that in autumn, farmers will not consider it an object to furnish a boy with gun, powder and lead, on condition, that he will shoot only about their corn fields. It is a cheering spectacle in autumn, to walk in the beech and hickory bottoms, where you may often see, at one view, half a dozen of these active and proud little animals, flourishing their erect and spread tails, barking defiance at you, or each other, and skipping, as if by the aid of wings, from branch to branch. It is a fact, to which we can bear ocular testimony, that they cross rivers; at some times swimming; at other times on a chip, or piece of bark, raising and spreading their tails, by way of sail. It often happens to these, as to other inexperienced navigators, that they spread too much canvass, and are over-set, and drowned. It is related, as having happened in the year 1811, that they emigrated from the north towards the south by thousands, and with a front of some regularity, along the lower part of the state of Ohio, and the whole front of Indiana. Thousands were drowned, in attempting to cross the Ohio.

The skunk is common, and is oftener met, than east of the mountains; but in other respects is the same bold ani-

mal, and possessing the same reliance upon his peculiar kind of defence.

Gopher, a species of mole, more than twice the size of the common field mole. It burrows in the prairies; and there are immense tracts, covered with the little hillocks, made by the earth, which they have dug from their burrows. They have an exquisitely soft, fine fur, of cerulean color; and they have on each side of their jaws a pouch, or skinny bag, of considerable size, which is usually seen distended with the dirt, which they are transporting from their holes. They prey on the bulbous roots of flowers, on potatoes, and other vegetables, and are particularly destructive to young orchards, killing the trees by gnawing off a complete circle of bark round the body, near the roots. The mounds, which they raise, are serious impediments in the way of driving carts and carriages over the theatre of their operations.

An animal confounded with this, but not the same, inhabits the shores along the gulf of Mexico, and is called the salamander. It is of the size, and in some respects, the appearance of the common rat. It is said never to be seen abroad by day. It is a fierce and fighting little animal, when overtaken in its burrows, and the wounds inflicted with its teeth are severe.

Elk. Large flocks of these animals are found in the northern limits of the range of the buffalo. To our view, an elk is no more, than a very large deer, something exceeding the height of a common horse. Their flesh has the same flavor, as common venison. Their habits are similar to those of the deer. In the country where they range, hunting them is an object with the Indians, only secondary to that of hunting the buffalo. We have never seen the moose in this country; but it is found in the northern and northwestern regions.

Antelope, a kind of mountain deer, seen bounding on the summits of the highest and most precipitous hills at the sources of the Missouri. They are described, as being very fleet and beautiful animals, and their flesh is preferred to that of the common deer. Timid as they are, their excessive curiosity lures them to their destruction.— They gaze upon man, until, as if charmed, they seem arrested to the spot, and in this way they are sometimes killed.

Mountain sheep, an animal, that, like the former, inhabits mountains, choosing for its range the most remote and inaccessible at the sources of the Missouri. They have horns of prodigious size; and are rather larger, than the deer. They are covered with a wool, like fur, in some parts white, and in others brownish. Their range is so solitary, and difficult of access, that they are not often killed.

Prairie dog, *arctomys Ludoviciana*. This animal has received its absurd name from the supposed similarity of its peculiar cry, or note, to the barking of a dog. In other respects there is little resemblance to that animal. It is of reddish brown color, interspersed with some gray and black. The color of the underside of the body is not unlike that of the skunk. It has rather a wide and large head, short ears, black whiskers, and a sharp and compressed nose. It something exceeds twice the size of a common gray squirrel. One of them measured from the tip of the nose to the extremity of the tail nineteen inches. Like the beaver, they are social and gregarious, living on the dry prairies in large communities, some of which occupy a circuit of miles. They live in burrows; and at the entrance, there is a mound, formed by the earth, which they bring up in the excavation. In whatever direction they move, they have well beaten highways, from which

every impediment is carefully removed. There are several occupants, probably all of the same family, of one burrow. In mild weather they are seen sporting about the mouths of their habitations, and seem to have much of the sprightliness, activity, and spirit of defiance, of the squirrel. At the apprehended approach of danger, they raise that peculiar bark, from which they have derived their name. On the nearer approach of danger, they relinquish their vaporing, and retreat to their dens. They are said seldom to require drink, and to remain torpid in their burrows through the winter. When overtaken, away from its home, this little animal shows all the impotent fierceness of a small cur. But when taken, it easily domesticates, and becomes gentle and affectionate.*

BIRDS. This valley, embracing all the varieties of the climate of the country east of the mountains, might be supposed to have the same birds, and those birds the same habits. The former is true, and the latter is not.—We have noted no birds in the Atlantic country, that we have not seen here. We have many, that are not seen there; and those, that are common to both regions, have not the same habits here, as there. We have no doubt, that cultivation and the habitancy of civilized man affect the habits, and even the residence of birds. There are many in the more populous and cultivated regions beyond the mountains, that seem to belong to orchards and gardens, and that appear to exult and be at home only in the midst of fruit arbors, and groves reared by art and luxury. It is remarked in the more populous and cultivated districts of the West, that in proportion, as the wilderness disappears, and is replaced by apple, pear, peach and plumb

* For catalogue of beasts, see Appendix, table No. IV.

trees, and fruit gardens, the birds, which cheered the infancy of the immigrants, and whose notes are associated in recollection with the charms of youthful existence, and the tender remembrances of the natal spot, and a distant and forsaken country, are found among the recent orchards. Every immigrant, especially, who was reared in New England, remembers the magpie, the bird of half formed leaves, of planting, and the freshness of spring.—He remembers to have heard them chattering in the woods, almost to tiresomeness. They are occasionally seen in the middle and northern regions of this valley. They are seldom heard to sing, and are only known by the lover of nature, who hears in the air, as they pass over his head, the single note, which they utter at the East, when they are leaving that country. Some years since, in Missouri, we saw a number of the males gathered on a spray, in the midst of a low prairie, of a sunny morning, after a white frost. They were chattering away in their accustomed style. But they did but half carry out the song, that we used to hear in the meadows of New England, leaving a painful break in the middle, and reminding us of the beautiful passage in the psalms, touching the exiles on the streams of Babylon.

Robin, *turdus migratorius*. The robin-redbreast in the northern Atlantic country is, more than any other, the bird of orchards and gardens, and is there almost identified with the domestic affections of man. This delightful bird, in many places protected from the gun by public feeling, sings there such an unpretending, and yet sweet song, that the inhabitants need not regret wanting the nightingale. In the West, this bird makes annual visits; and is seen in the autumn, the winter and spring, but never, at least in the southern parts of the valley, in the summer. Thousands of them winter in Louisiana, and perch by night in the

thick cane brakes, and are killed by hundreds with a stick. In the middle regions, they visit the country in the autumn, to feed on the berries of the spice wood, *laurus benzoin*. But in no part of the valley, where we have seen them, have we ever heard them once sing those notes of their song in New England, which we can never forget.

The thrasher, *turdus rufus*, the perwink, *turdus furcatus*, and the bluebird, are in numbers, habits and song, as at the north, except that the bluebird is seen on every pleasant day through the winter.

The splendid plumage, the bold habits, and the shrill scream of the bluejay, are alike familiar to the woods of Canada and the Sabine.

Mocking-bird, *turdus Orpheus*, *vel polyglottus*, is seen in the middle and southern Atlantic states; but is far more frequent in this valley. Its gay, voluble and jerky note, imitating that of all other birds, and heard at all seasons of the year, renders it a delightful tenant of the southern woods. It breeds in thorn bushes, and among arbors of briar vines; and delights to sit on the tops of chimneys, darting perpendicularly, as if in a frolic, high into the air above, and descending by the same movement, singing in its gayest manner, all the while. It is a bird of sober plumage, and from its delicate structure, rather difficult to rear in a cage.

Redbird, *cardinalis Virginiana*. The range, frequency and habits of this most beautiful bird are the same with the former. Its note has but little range. We have not heard it sing on a stave of more than five notes; but its whistle is clear, mellow and delightful. It appears not to regard orchards, or human habitancy, but pours its song in the deep forests. The traveller is cheered, as he rides along the bottoms, especially in sunny mornings, after frosts in the winter, by hearing this song softening the harsh

screaming of the jay. The male, after moulting, is of a most brilliant purple, with a fine crest, and a bill of the appearance of ivory.

Nightingale sparrow, *fringilla melodia*, a very diminutive sparrow, with plain plumage, but pours from its little throat a powerful song, like that of the nightingale. In the southern regions of the valley, like the mocking-bird, this bird sings, through the warm nights of summer, only during the darkness and the dawn of morning.

Goldfinch, *turdus aurocapillus*. We have doubted, if this were the same bird with that, so called, in the Atlantic country. It is not so brilliant in plumage, and has not exactly the same whistle; but is here a gay and cheering bird in appearance and note. It builds the same hanging nest, with the bird, so called, at the north.

Parroquet, *psittacus Caroliniensis*. This is a bird of the parrot class, seen from latitude 40° to the gulf of Mexico. Its food is the fruit of the sycamore, and its retreat in the hollow of that tree; and is a very voracious bird, preying on apples, grapes, figs, and all kinds of fruit. They fly in large flocks, and are seen in greatest numbers before a storm, or a great change in the weather. They have hooked, ivory bills, a splendid mixture of burnished gilding and green on their heads, and their bodies are a soft, and yet brilliant green. Their cry, as they are flying, is shrill and discordant. They are said to perch, by hanging by their bill to a branch. When they are taken, they make battle, and their hooked bill pounces into the flesh of their enemy. They are very annoying to fruit orchards, and in this respect a great scourge to the farmer. We have seen no bird of the size, with plumage so brilliant; and they impart a singular magnificence to the forest prospect, as they are seen darting through the foliage, and among the white branches of the sycamore.

Owls. We have noted a great many varieties of this bird. Their hooting and screaming, in every variety of tone and sound, often imitating the cry of human distress and laughter, and sometimes the shrieks of a babe, are heard over all this valley in the deep forests and bottoms. We have heard forty at a time on the lower courses of the Mississippi.

Among the great varieties of the hawk and eagle class, the bald eagle is often seen soaring above the cliffs, or the deep forests.

Swans, geese, ducks of a great many kinds, herons, cormorants, pelicans and sand-hill cranes, are the common and well known migrating water fowls of this country.—The noise of their countless flocks, as they journey through the air in the spring, to the sources of the great rivers and lakes, and in autumn, to the gulf of Mexico, is one of the most familiar sounds to the ear of an inhabitant of the West, and is one of his strongest and pleasantest associations with spring and autumn. The noise of migrating geese and ducks, at those periods, is also familiar to the ear of an Atlantic inhabitant. That of the swans, pelicans and cranes is peculiar to this valley. The swan is well known for its stateliness and brilliant white. Its migrating phalanxes are in perfectly regular forms, as are those of the geese. They sometimes join forces, and fly intermixed with each other. Their noise, on the wing, is like the distant sound of a trumpet. They are killed on the rice lakes at the north, in the summer, and in the gulf and its neighboring waters in the winter. The younger ones are as fine for the table, as geese. The older ones are coarse, tough, and stringy. They are of use for their fine quills, feathers and down.

Sand-hill crane, *grus Canadensis*, is a fine, stately bird, as majestic in the water, as a swan, and considerably taller ;

of a perfectly sleek, compact and oily plumage, of a fine grayish white color; and they are seen in countless numbers, and not being of sufficient use to be the pursuit of the gunner, they, probably, increase. We have seen in the prairie between the Missouri and Mississippi, at the point of junction, acres covered with them, in the spring and autumn. They seemed, at a distance, like immense droves of sheep. They migrate in company with the pelicans; and to us it has always been an interesting spectacle, that during their migrations, they are seen for days together, sailing back and forward in the upper regions of the air, apparently taking the amusement of flying evolutions, and uttering at the same time a deep cry, which is heard distinctly, when the flocks are so high in the air, as not to be seen, or only seen when their white wings are discerned, as specks of snow, from their being in a particular position to the rays of the sun.

Pelican is a singular water fowl, with an ivory bill, extremely white plumage, larger in appearance, but not so heavy, as a full grown Canadian goose. They frequent the lakes and the sand bars of the rivers, during their migrations, in inconceivable numbers. Flocks of them, reaching a mile in length, passing over the villages, are no unusual spectacle. Below their beak, or bill, they have a pouch, or bag, which will contain, it is said, two quarts. In the autumn, when associated with the swans, geese, brants, ducks, cranes and loons, on the sand bars of the rivers, from their incessant vociferousness, they are very annoying companions to the inmates of boats, who lie to, and wish to find sleep.

This being a country of long rivers, of frequent lakes and bayous, and sluggish waters, and marshy inlets of the sea, on the gulf of Mexico, it would be expected, as is the fact, that it would be the nursing-mother and home of vast

numbers and varieties of water fowl. We believe, that no waters on the globe show greater numbers and varieties than the gulf of Mexico. In the winter, when these fowl take shelter in the bayous, swamps and prairies of Louisiana, they are killed in great numbers by the people, especially by the French and Indians. Water fowl are abundant and cheap in all the markets. Their feathers and quill are an object of some importance in commerce. In the migrations of the water fowl, the inhabitants of the middle regions of the valley have biennial harvests of them. The hunters and savages of the upper regions feed, and prey upon them, during the summer.

Pigeons sometimes are seen in great flocks, as at the north. Their social and gregarious habits incline them to roost together, and their places of resort are called 'pigeon roosts.' In these places they settle on all the trees for considerable distance round, in such numbers, as to break off the branches. In these places they are killed, beyond the wants of the people.

Turkey, *meleagris gallopavo*. The wild turkey is a fine, large bird, of brilliant, blackish plumage. It breeds with the domestic one; and when the latter is reared near the range of the former, it is sure to be enticed into the woods by them. In some places they are so numerous, as to be easily killed, beyond the wants of the people. We have seen more than an hundred driven from one corn field. The Indians, and the western sportsmen, learn a way to hunt them, by imitating the cry of their young.

Partridge, *tetrao perdix*, the same bird, which is called quail in New England. They breed in great numbers in the settled regions, and, much as they are hunted, increase with the population. They are brought in great numbers to the markets; and are not unfrequently taken, as they are crossing the rivers, on the steam boats. One of the

standing amusements of the country is to take them, by driving them into a net.

Pheasant is the same bird, which is called partridge in New England. It is not so common in this country, as in that. It is something more brilliant in its plumage.— Though not often seen, it is frequently heard drumming on the logs in the deep forests. •

Prairie hen, *tetrao pratensis*, is seen in great flocks in the prairies of Missouri and Illinois, in the autumn. It is rather larger, than the domestic hen. In flight, it appears like the pheasant and partridge, and is a beautiful bird. It lights on barns, and hovers about corn fields. When the corn is not gathered, until in the winter, as often happens in the West, flocks of these birds are apt to prey upon it. It is easily tamed and domesticated. The flesh has the flavor and color of the wild pigeon.

Hunters assert, that there is another bird of the pheasant class, at the sources of the Missouri, of the size of a turkey.

Humming-bird, *trochilus*. We have them of two colors—olive and green. It is more common in the middle, than the southern regions, and we believe, is no where so common, as in some parts of the Atlantic country.*

REPTILES. Animals of the serpent, turtle and frog class do not materially differ from those, of the same parallels in the Atlantic country.

All the varieties of the rattle snake, *crotalus horridus*, are seen, in some places in pernicious abundance. The yellow rattle snake is the largest of the species. They are sometimes seen, as large as a man's leg, and from six to nine feet in length. A species of small rattle snake is sometimes seen in great numbers on the prairies. They

* For catalogue of birds, see Appendix, table No. V

are said, in the regions far to the west, to consort with prairie dogs, and to inhabit the same burrows. There is a very troublesome species, called snappers, or ground rattle snakes. They travel in the night, and frequent roads and house paths.

The copper head is a terrible serpent, deemed to inflict a more dangerous bite, than the rattle snake. They inhabit the same region, but are not so common, as the former. They are of a dirty brown color; and when they have recently shed their skin, some parts of their body resemble burnished copper, whence they derive their name. They are of a smaller size, than the rattle snake.

Moccasin snake. There are three or four varieties of this serpent, inhabiting the southern country. The upland moccasin has many aspects in common with the rattle snake, but is a serpent still more repulsive in appearance. We have seen them of great size; and their fang teeth are the largest and longest, that we have seen. They are most often seen basking among the bastard cane. The water moccasins, as their name imports, are water snakes. The largest variety resembles the water snake of the Atlantic country. It has a very large, flat head, and is thence called by the French, '*tete plat*.' It opens its upper jaw at right angles to the under one. It is a lazy, reckless animal, neither flying, nor pursuing man. It is a serpent of the largest size; has a ground colored, scaly back; and in point of venom, is classed with the rattle snake. There is another species of the moccasin, rarely seen out of the water, of a brilliant copper color, with annular, gray stripes, marking off compartments at equal distances.

Brown viper, or hissing snake. It is of a dirty brown color, from six to eight inches long; with a body large in proportion, and terminating abruptly in a sharp tail. When angry, their backs change color, and their heads flatten.

and dilate to twice the common extent, and their hiss is like that of a goose. They are extremely ugly animals; and, though very diminutive, are supposed to be of the most venomous class. We confined one by a stick across its back, and it instantly bit itself in two or three places. We gave it liberty, and observed its movements. It soon became very much swollen, and died.

Horn snake. Judge Bullit, of Arkansas, informed us, that he killed one of these serpents in his smoke house. He described the serpent, as of moderate size, blackish color, and with a thorn in the tail, resembling that of a dunghill cock. From its movements, he judged it to be its weapon of defence. We have heard others, who have killed or seen this serpent, describe it. We have heard many of the common reports of its deadly venom, but never have known a single attested proof; and we consider them all, as entirely fabulous.

We have neither the information, nor space, to enable us to be minute in our catalogue and description of these loathsome and dreaded reptiles. We have seen six or eight species, that we never saw in the Atlantic country; and we consider this region more infested with serpents, than that. Perhaps we might except from this remark the southern Atlantic country. Wherever the population becomes dense, the swine prey upon them, and they quickly disappear. Their most permanent and dangerous resorts are near the bases of rocky and precipitous hills, about ledges and flint knobs, and, in the lower and southern country, along the bayous, and near those vast swamps, that can not be inhabited for ages. People are often bitten by these terrible animals. The pain is excruciating; and the person, that is badly bitten, swells, and soon becomes blind. The more venomous of the serpents themselves become blind, during the latter part of summer. They are then,

of course, less apt to strike their aim; but their bite, at this period, is most dangerous. The people suppose this blindness occasioned by the absorption of their own poison into their system.

Whether it be, that the numerous remedies, that are prescribed here, are really efficacious, or whether, as to us appears more probable, the bite of these venomous reptiles is not fatal, unless the poison is conveyed into some leading vein, from whatever cause it be, it so happens, that few fatalities occur from this cause. We have seen great numbers, that have been bitten by rattlesnakes, or copper heads, or moccasins; and we have never seen a fatal case. We read, indeed, of a most tragical occurrence, more horrible in the relation, than the ancient fiction of Laocoon. An immigrant family inadvertently fixed their cabin on the shelving declivity of a ledge, that proved a den of rattlesnakes. Warmed by the first fire on the hearth of the cabin, the terrible reptiles issued in numbers, and of course in rage, by night into the room, where the whole family slept. As happens in those cases, some slept on the floor, and some in beds. The reptiles spread in every part of the room, and mounted on every bed. Children were stung in the arms of their parents, and in each other's arms. Imagination dares not dwell on the horrors of such a scene. Most of the family were bitten to death; and those, who escaped, finding the whole cabin occupied by these horrid tenants, hissing, and shaking their rattles, fled from the house by beating off the covering of the roof, and escaping in that direction.

It would be impossible to enumerate all the remedies, that are prescribed here, for the bite of these reptiles. It is a received maxim, that the application of volatile alkali, internally, and to the wound, neutralizes the poison, and is a certain cure.

Of harmless serpents, this country has the usual varieties,—as the green, garter, chicken and coach-whip snakes.

We have often seen the glass snake, with a body of the most lustrous brilliance. A stroke across the back separates the body into a number of pieces. Each of these pieces preserves for some time the power of loco-motion, and continues to move. The people believe, that these pieces soon meet, and unite, and become as before the separation.

Bull, or prairie snake, is one of great size, and horrid appearance. They are common on the prairies, live in holes in the ground, and run at the passing traveller with a loud hiss; but if he stands, they instantly retreat to their holes. We believe them to be perfectly harmless; though such is their size, boldness and formidable appearance, that it is long, before the resident in these regions gets over his horror of them.

Lizzards, *lacertæ*. Ugly animals of this kind are seen, in greater or less numbers, in all the climates. They are seen under rotten logs, and are dug from the rich and muddy alluvions. These last are lazy and loathsome animals, and are called 'ground puppies.' We never saw any disposition in them to bite. Common, small lizzards are frequent in the southern districts, running along the logs, and making just such a sound, as the rattle snake, when he gives his warning.

There are varieties of small camelions. They are apparently harmless animals; though when we have caught them, they showed every disposition to bite. They will change in half an hour to all the colors of the prism. Green seems to be their favorite color, and when on a green tree, that is their general hue. While in this color, the under part of their neck becomes of a beautiful scarlet. Their throat swells, and they emit a sharp note, like that of one

of the larger kinds of grasshoppers, when singing. We have placed them on a handkerchief, and they have gradually assumed all its colors. Placed on a black surface, they become brown; but they evidently suffer, while under this color, as is manifested by uneasy movements, and by strong and quick palpitations, visible to the eye. They are very active and nimble animals, three or four inches in length.

Scorpions are lizzards of a larger class, and flatter heads. They are animals of an ugly appearance, and are deemed very poisonous. We could not learn, however, that any person had been known to be bitten by them. When attacked, they show, indeed, the anger and the habits of serpents, vibrating a fiery and forked tongue, and biting with great fury at the stick, which arrests them.

What is here called tarantula, is a huge kind of spider, estimated to inflict a dangerous bite.

The copper colored centipede is of a cylindrical form, and oftentimes of the size and length of a man's finger. A family is said to have been poisoned, by taking tea, in which one of them had been inadvertently boiled.

Alligator is the most terrible animal of this class. This large and powerful lizzard is first seen in numbers, in passing to the south, on the Arkansas,—that is to say, a little north of 33°; and this is its general northern limit across the valley. Vast numbers are seen in the slow streams and shallow lakes of Florida and Alabama; but they abound most on Red river, the Mississippi lakes, and the bayous west of that river. We have numbered forty at one time on a muddy bar of Red river. On these sleeping waters, the cry of a sucking pig on the banks will draw a shoal of them from their muddy retreats at the bottom. The largest alligator, that we ever saw killed in these regions, measured something more, than sixteen feet from its

snout to the extremity of its tail. They have at times, especially before stormy weather, a singular roar, or bellow, not exactly, as Bartram has described 'it, like distant thunder,—but more like the half-suppressed roarings of a bull. When moving about on their customary vocations in the water, they seem like old logs in motion. In fine weather, they doze in listlessness on the sandbars. Such is their recklessness, that they allow the people on the passing steam boats to come within a few paces of them. The ascent of a steam boat on an alligator stream, at the proper season for them, is a continual discharge of rifles at them. A rifle ball will glance from their bodies, unless they are hit in a particular direction and place. We witnessed the shots of a man, who killed them nine fires in ten. They are not, like tortoises, and other amphibious animals, tenacious of life, but bleed profusely, and immediately expire, when mortally wounded. They strike with their tails, coiled into the section of a circle; and this blow has great power. The animal stricken, is by the same blow propelled towards their mouth, to be devoured. Their strength of jaws is prodigious, and they are exceedingly voracious. They have large, ivory teeth, which contain a cavity, sufficiently large to hold a musket charge of powder, for which purpose they are commonly used by sportsmen. The animal, when slain, emits an intolerable smell of musk; and it is asserted, that its head contains a quantity of that drug. They will sometimes chase children, and would overtake them, were it not for their inability to make lateral movements. Having few joints in their body, and very short legs, they can not readily turn from a straight forward direction. Consequently, they, who understand their movements, avoid them without difficulty, by turning off at right angles, and leaving the animal to move forward, under its impulse in that direction. Indeed, they are by

no means so dangerous, as they are commonly reputed to be. It is said, they will attack a negro in the water, in preference to a white. But they are chiefly formidable to pigs, calves, and domestic animals of that size. They are rather objects of terror from their size, strength, and ugly appearance, and from their large teeth and strong jaws, than from the actual injuries, which they have been known to inflict. The female deposits a great number of eggs, like a tortoise, in a hole on the sandbars, and leaves them to be hatched by the ardors of the sun upon the sand. When they are hatched, the turkey buzzards and the parents are said alike to prey upon them. Instinct prompts them for self preservation to plunge in the water. The skin of the alligator is valuable for the tanner.

Tortoises. There are the usual varieties of the Atlantic country. The soft shelled mud-tortoise of the lakes about New Orleans, and west of the Mississippi, is said to be not much inferior to the West India sea turtle for the table. Epicures, who are dainty in their food, consider their flesh a great delicacy.

The lower part of this valley is a land of lakes, marshes and swamps; and is, of course, prolific in toads, frogs, and animals of that class.

The bull frog, *rana boans*, *vel pipiens*. The deep notes of this animal are heard in great perfection in the swamps back of New Orleans.

Murena siren is a very singular animal, as far as we know, undescribed by naturalists. It somewhat resembles the lamprey, and is nearly two feet in length. It seems intermediate between the fish and the lizzard class. It has two short legs, placed near the head. It is amphibious, and penetrates the mud with the facility of crawfish.

Crawfish. There are vast numbers of these small, fresh water lobsters every where in the shallow waters and low

grounds of this country. By penetrating the levee of the Mississippi, they have more than once made those little perforations, that have imperceptibly enlarged to crevasses, by which the inundation of the river has been let in upon the country.

In the pine barrens of Florida, Alabama and Mississippi, is found an animal, apparently of the tortoise class, commonly called the *gouffre*. It has a large and thick shell, and burrows to a great depth in the ground. It is of prodigious power and strength, and resembles in many respects the loggerhead turtle.

The ichthyology of the gulf of Mexico and its waters, of the Mississippi, and the waters west of it, and of the northern lakes and their waters, has not been scientifically explored. We are able only to give that of the Ohio and its waters, as explored and described by Mr. Rafinesque. We remark, however, that the fishes of all the western waters are very similar, and that the classes of this table include most of the fishes, that are found in the waters of the Mississippi valley.

THORACIC FISHES. Salmon perch, *perca salmonea*. A fine, spotted fish, from one to three feet long; flesh white, tender and well flavored. Vulgar name, Ohio salmon.

Golden eyed perch, *perca chrysops*. Rock bass. An excellent table fish, not often taken.

Black dotted perch, *perca nigro punctata*. Black bass. Found on the lower waters of the Ohio.

Bubbler, *ambodon*. Buffalo perch. Found in all the waters of the Ohio. Its name is derived from the singular grunting noise, which it makes,—a noise, which is familiar to every one, who has been much on the Ohio. It is a fine fish for the table, weighing from ten to thirty pounds.

Dotted painted tail, *calliurus punctatus*. Bride perch, or painted tail. A small fish, from four to twelve inches long; not very common in the Ohio. More common in the small tributaries.

Gilded sun fish, *ichthelis macrochira*. A beautiful fish, three or four inches long. Common in the Ohio and its waters.

Blue sun fish, *ichthelis cyanella*. Hardly so large, as the former.

Red eye sun fish, *ichthelis erythrops*. Red eyes.—Length three to eight inches.

Eared sun fish, *ichthelis aurita*. Sun fish. Length from three to twelve inches.

Big eared sun fish, *ichthelis megalotis*. A fine small fish. Length from three to eight inches. Common in the waters of Kentucky. Vulgar name, red belly.

River bass, *lepomis*. Common in the Ohio and its waters, and easily taken with the hook.

Pale bass, *lepomis pallida*. Yellow bass. From four to ten inches.

Streaked cheeks, *lepomis trifasciata*. Yellow perch. One of the best kinds of table fish. Length from one to two feet. Common in the Ohio and its waters.

Brown bass, *lepomis flexuolaris*. Black perch. Length from one to two feet. Like the former, a fine fish.

Trout bass, *lepomis salmonea*. Brown trout. Length from six to twenty-four inches. Delicate and white flesh.

Spotted river bass, *lepomis notata*. Same vulgar name with the former, and commonly considered the same fish. Differs from it in many respects.

Sun fish river bass, *lepomis ichteloides*. White bass.—Length from four to eight inches.

Gold ring promoxis, *promoxis annularis*. Silver perch. Length from three to six inches.

Red eye, *aglocentrus*. Green bass. A very beautiful fish, from three to twelve inches long.

White eyed barbot, *pogostoma leucops*. Bearded sun fish. A very beautiful fish, twelve inches long, and sometimes weighs a pound.

Hog fish, *etheostoma*. Hog bass. Length from three to nine inches.

Bass hog fish, *etheostoma calliura*. Minny bass.

Fox tail hog fish, *etheostoma flabellata*. Fox tail.

Black hog fish, *etheostoma nigra*. Black minny. A very small fish.

Blunt nose hog fish, *etheostoma blennoides*. A very singular looking, small fish.

Common hog fish, *etheostoma caeruleum*. Length from two to six inches.

ABDOMINAL FISHES. Ohio gold fish, *pomolotrus chrysocolor*. Ohio shad. Length from twelve to eighteen inches. Is seen in the spring from Cincinnati to the falls of the Ohio.

Spotted gizzard, *dorostoma notata*. Hickory shad.—Length nine to ten inches.

Ohio gold herring, *notemigonus auratus*. Gold herring. Length from four to eight inches. Flesh tolerably good.

False herring, *hyodon*. Herring. Five species. Not at all like the herring of the Atlantic waters. Tolerable fish for the table.

Salmo, trout. This species is found only on the upper waters of the Missouri and the Ohio. The white fish of the lakes has been sometimes classed in this class, and has been said to be found on the head waters of the Wabash and the Miami.

Alleghany trout, *salmo Alleghaniensis*. Found on the mountain brooks of the Alleghany and Monongahela.—

Length eight inches. Fine for the table. Take the bait, like all this species, with a spring.

Black trout, *salmo nigrescens*. Rare species. Found on the waters of Laurel hill. Length six inches.

Minny, *minimus*. Bait fish. Of these diminutive fish, there are a vast number in the different waters of the Mississippi. Sixteen species have been noted on the Ohio. The larger kinds of them bear the name of shiner.

Gold head shiner, *luxilus chrysocephalus*. Gold chub. Length six inches.

Kentucky shiner, *luxilus Kentuckiensis*. Red tail.—Fine bait fish.

Yellow shiner, *luxilus interruptus*. Yellow chub.—Three inches in length.

Big back chub, *semotilus dorsalis*. Big back minny. Length three to six inches.

Big head chub, *semotilus cephalus*. Big mouth. Length from six to eight inches.

Silver side fall fish, *rutilus plargyrus*. Silver side.—Length from four to six inches.

Baiting fall fish, *rutilus compressus*. Length from two to four inches.

Anomal fall fish, *rutilus anomalus*. Length three inches.

Red minny, *rutilus ruber*. A beautiful, small, red fish, two inches in length.

Black headed flat head. Length three inches.

Ohio carp sucker. Length from one to three feet. Good for the table. Taken with the hook, seine or spear.

Buffalo carp sucker. Found on the lower waters of the Ohio. Vulgar name, buffalo perch. One foot in length. One of the best fish for the table.

Brown buffalo fish, *catostomus bubalus*. One of the best fishes in the western waters, and found in all of them.

Length from two to three feet, and weighing from ten to thirty pounds.

Black buffalo fish, *catostomus niger*. Found in the lower waters of the Ohio, and in the waters of the Mississippi. Sometimes weighs fifty pounds.

Olive carp sucker. A variety of the former. Not so good for the table. Commonly called carp.

Sailing sucker, *catostomus velifer*. Skim back. Length from twelve to fifteen inches. Indifferent for the table.

Mud sucker, *catostomus xanthopus*. Length from six to ten inches. Flesh very soft.

Black faced sucker, *catostomus melanops*. Black sucker. Length from four to six inches.

Black back sucker, *catostomus melanotus*. Blue sucker. Length eight inches.

Red tail sucker, *catostomus erythrus*. Red horse.—Length one foot.

Kentucky sucker, *catostomus flexuosus*. Common sucker. Ten to twelve inches long. Bites at the hook, and is fine for the table.

Big mouthed sucker, *megastomus*. Brown sucker.—Taken with the seine.

Pittsburg sucker, *catostomus Duquesni*. White sucker. Length fifteen to twenty inches. Found in the Ohio, near Pittsburg. Good for the table.

Long sucker, *catostomus elongatus*. Brown sucker. Length fifteen to twenty inches. Of the same quality, and found in the same waters with the former.

Black suckrel, *cykleptus nigrescens*. Rarely seen in the Ohio and Missouri. Fine for the table. Length two feet.

Cat fish, *pimelodus*. This is the most common fish in all the western waters. Twelve species have already been noted in the Ohio. The varieties are very numerous in the waters west of that river. They are without scales,

and of all colors and sizes. Their mouths, when open, are circular. They are easily taken with a hook. They receive their English name from the noise, which they make, when at rest,—a noise very similar to the purring of a cat, and one of the most familiar to those, who are used to the western waters.

Spotted cat fish, *silurus maculosus*. White cat fish.—Length from one to three feet. Flesh good.

Blue cat fish, *pimelodus cerulescens*. They have been taken, weighing above one hundred and fifty pounds.

Silver cat fish, *pimelodus argyrus*.

Slimy cat fish, *pimelodus viscosus*.

Clouded cat fish, *pimelodus nebulosus*.

Yellow cat fish, *pimelodus capreus*.

Black cat fish, *pimelodus melas*.

Yellow headed cat fish, *pimelodus xanthocephalus*.

Mud cat fish, *pimelodus limosus*.

Mud cat, *pilodictis*. Mud fish. Buries itself in the mud. Sometimes weighs twenty pounds. Bites at the hook, and is good for the table.

Yellow back, *noturus flava*. Commonly confounded with the yellow cat fish; but is a different fish.

Ohio totter, *hypertelium macropterum*. Length two to three inches. Makes itself a cell by surrounding its place with pebbles; hence, from the Virginia word 'tote,' to carry, called a totter.

Ohio ribband fish, *sarchisus vittatus*. Length from six to twelve inches. Gar fish.

Pike, *esox*. We have noted a great many species of pikes in the Ohio and Mississippi, and their waters. They are called pike, pickerel and jack fish; and perfectly resemble the fish of the same names in the Atlantic waters. The Indians of the Wabash and the Illinois call them

piccanau. They are of all sizes, from half a pound to twenty pounds.

Esox vittatus, jack fish. White pickerel. Length sometimes five feet.

Gar fish, *lepiosteus*. There are a great many varieties in the western country. The alligator gar is sometimes eight feet in length; and is strong, fierce, voracious, and formidable not only to the fish, which he devours by tribes, but even to men, who go into the water near him. Their scales will give fire with the steel. They are not used for the table; but whether this be owing to the difficulty of skinning them, or to the badness of the flesh, we know not.

Duck bill gar fish, *lepiosteus platostomus*. Length sometimes four feet. Taken with the hook, or the spear; and is good for the table.

White gar fish, *lepiosteus albus*. Length four to six feet. Resembles the pike in shape.

Ohio gar fish, *lepiosteus oxyeus*. Length six feet.—Rarely seen; and not good for the table.

Long bill gar fish, *lepiosteus longirostris*. Length forty inches.

Devil-jack-diamond fish, *litholepis adamantinus*. This is the monster of the Ohio. It is rarely seen as high, as the falls of the Ohio, and probably, lives in the Mississippi. Length from four to ten feet. One was caught, which weighed four hundred pounds. It is extremely voracious; and, like the alligator gar fish, or *lepiosteus ferox*, its scales will give fire with the steel.

APODIAL FISHES. Broad tail eel, *anguilla latiscandula*. Length from two to four feet.

Black eel, *anguilla aterrima*. Same length as the former; and fine for the table.

Yellow bellied eel, *anguilla xanthomelas*. Length from two to three feet.

Yellow eel, *anguilla lutea*. Length two feet. This is the best of the species for the table.

ATELOSIAN FISHES. Sturgeon, *accipenser*. There are six species found in the Ohio.

Spotted sturgeon, *accipenser maculosus*. Length two feet.

Shovel fish sturgeon, *accipenser platyrhynchus*. Shovel fish. Length two to three feet. Weight twenty pounds. Tolerable for the table.

Fall sturgeon, *accipenser serotimus*. Length five to six feet. Indifferent for the table.

Ohio sturgeon, *accipenser Ohioensis*. Length three to four feet.

Big mouth sturgeon, *accipenser macrostoma*. Length four feet. Good for the table. Very large mouth.

Flat nose double fin, *dinectus truncatus*. Length two feet. Skin thick and leathery.

Western spade fish, *polyodon folium*, is not eaten.—Length from one to three feet.

Toothless paddle fish, *platinostra edentula*. Length three to five feet, and sometimes weighs fifty pounds. Indifferent for the table. The spatula is cunei-form, eight to twelve inches long, and used for digging in the mud.

Gourd fish sturgeon, *accipenser lagenarius*. Gourd fish. Length two to three feet.

Mississippi saw fish, *pristis Mississippiensis*. Length three to six feet. Twenty-six long, sharp teeth on either side, in the form of a saw; and is commonly shown in museums.

Spotted horn fish, *procetos macculatus*. Length two to three feet. Horn one fourth the length of the body.

The fish of the western rivers are generally decried in comparison with those of the Atlantic waters. The comparison has not been fairly instituted. The former are all,

except those hereafter described, as belonging to the market of New Orleans, fish of fresh waters; the latter chiefly of the sea. Fresh water fish, in general, will not vie with those of the sea. The comparison being between the fresh water fish of the one country and the other, the latter are as good, as the former. The shad and salmon of the Atlantic waters, it is true, are no where found here, though we have fish, that bear the same name. Those fine fish have their general habitancy in the sea. The trout of Louisiana and Florida is not the same with the fine fish of that name, that is taken in the cold mountain streams of the northern country of the Atlantic. It is a fish of the perch class, beautifully marked with golden stripes, and taking the bait with a spring, like the trout. It weighs from one to four pounds. It is a fine flavored, solid fish for the table. We have never witnessed angling, that could compare with that of this fish in the clear pine woods streams of the southern divisions of this country. With fresh bait, a barrel may be taken in a few hours.

Cat fish of the Mississippi, *silurus Mississippensis*, differs considerably from that of the Ohio. It is often taken weighing over an hundred pounds.

Buffalo of the Mississippi, *bubalus Mississippensis*, is larger, and has a different appearance from that of the Ohio. They are taken in immense quantities in the meadows and lakes of the Mississippi, and greatly resemble the Atlantic shad.

Perch, *perca maculata*, is a fine fish, weighing from three to five pounds.

Bar fish, *perca argentea*, are taken with a hook. They go in shoals in the southern running waters. They weigh from one to three pounds, and are beautifully striped with brown and silver.

Drum, rock fish, sheep's head, &c. are large and fine fish, taken in the lakes on the gulf of Mexico, that are partially mixed with salt water, and so saline, as not to be potable. They correspond in size to the cod and haddock of the Atlantic country; and are among the most common fish in the market at New Orleans.

Spade, or shovel fish, *platirostra edentula*, a mud fish of the middle regions of the valley, found in muddy lakes. They weigh from ten to fifty pounds, are without scales, and have in advance of their mouths, a smooth, bony substance, much resembling an apothecary's spatula, from six inches to a foot in length, and two or three inches in width. Its use, apparently, is to turn up the mud in order to find subsistence. They are extremely fat, and are taken for their oil. We have never remarked this fish in any museum, although to us the most strange and whimsical looking fish, we have seen.

The pike of these waters is precisely the same fish, as is taken with that name in the Atlantic streams. A fine fish of this species, called *piccannau*, is taken in the Illinois and the upper waters of the Wabash.

We have seen one instance of a horribly deformed animal, apparently intermediate between the class *testudo*, and fishes. We saw it in a water of the Washita, and had not a fair opportunity to examine it. It is called toad fish; has a shell, like a tortoise; but has the other aspects of a fish. It is said to be sufficiently strong, to bear a man on its back; and from the account of those, who have examined it, this animal must be a singular *lusus naturæ*.

Alligator gar, a fish, shaped like a pike; but still longer, rounder and swifter. Its dart equals the flight of birds in rapidity. It has a long, round and pointed mouth, thick set with sharp teeth. Its body is covered with scales of such a texture, as to be impenetrable by a rifle bullet, and, when

dry, to make fire with steel. It is a fish of most outlandish appearance, weighing from fifty to two hundred pounds. It is a terrible and voracious animal, biting asunder whatever it can embrace in its long mouth; and is to us, who have seen it in waters, where we bathed, a far more formidable animal, than the alligator. It is, in fact, the shark of rivers.

The fish of the gulf shore are of a very peculiar character,—being taken in shallow lakes, principally composed of fresh water, but having outlets into the gulf, through which, when the wind blows strongly from the south, the sea water is forced to such a degree, as that they become salt. The fish possess an intermediate character, between those of fresh and salt water.

Some of the kinds and sizes of the cat fish are fine for the table. The fishes of the Mississippi and its tributaries, generally, are tough, coarse, large and unsavory. The trout, so called, and the bar fish, are fine. The piccannau, perch, and other fish of the Illinois, are represented, as excellent; and in that river, they are taken in great abundance. A line, here called a 'trot line,' drawn across the mouth of the Illinois, where it enters the Mississippi, with hooks appended at regular distances, took five hundred pounds in a night. We have taken in Big creek, a water of the Washita, seventy five trout in two hours with the hook. Except the trout, the small, yellow cat fish, the pike, the bar fish and the perch, we do not much admire the fish of the western waters.

RIVERS. Under this head we propose to describe the Mississippi only, reserving our description of the other western rivers, until we treat of the states and regions, in which they principally run. The Mississippi imparts a name and a character to the valley. It has been described

with a frequency and minuteness, to give any new attempt at delineating it an air of triteness and repetition. But the very idea of this noble stream is invested with an interest and grandeur, which will cause, that a faithful account of it can never become trite, or tedious. It is, in some respects, the noblest river in the world,—draining, as we have remarked, a larger valley, and irrigating a more fertile region, and having, probably, a longer course, than any other stream. Contrary to the general analogy of very large rivers, it bends from north to south, and traverses no inconsiderable section of the globe. It commences in many branches, that rise, for the most part, in wild rice lakes; but it traverses no great distance, before it has become a broad stream. Sometimes in its beginnings it moves, a wide expanse of waters, with a current scarcely perceptible, along a marshy bed. At others, its fishes are seen darting over a white sand, in waters almost as transparent as air. At other times, it is compressed to a narrow and rapid current between ancient and hoary lime stone bluffs. Having acquired in a length of course, following its meanders, of three hundred miles, a width of half a mile, and having formed its distinctive character, it precipitates its waters down the falls of St. Anthony.—Thence it glides, alternately through beautiful meadows and deep forests, swelling in its advancing march with the tribute of an hundred streams. In its progress it receives a tributary, which of itself has a course of more than a thousand leagues. Thence it rolls its accumulated, turbid and sweeping mass of waters through continued forests, only broken here and there by the axe, in lonely grandeur to the sea. No thinking mind can contemplate this mighty and resistless wave, sweeping its proud course from point to point, curving round its bends through the dark forests, without a feeling of sublimity. The hundred shores, laved

by its waters; the long course of its tributaries, some of which are already the abodes of cultivation, and others pursuing an immense course without a solitary dwelling of civilized man being seen on their banks; the numerous tribes of savages, that now roam on its borders; the affecting and imperishable traces of generations, that are gone, leaving no other memorials of their existence, or materials for their history, than their tombs, that rise at frequent intervals along its banks; the dim, but glorious anticipations of the future;—these are subjects of contemplation, that can not but associate themselves with the view of this river.

It rises in high table land; though the country at its source has the aspect of a vast marshy valley. A medium of the different authorities, touching the point of its origin, gives it to be in latitude $47^{\circ} 47'$. Travellers and authorities differ, too, in the name of the lake, or reservoir, where it is supposed to commence. Some name Turtle lake, and some Leech lake, as its source. The truth is, that in speaking of the source of the Mississippi, the Missouri, the Nile, and other great rivers, readers are only amused with fictions and names. Of a nameless number of tributaries, it would be impossible to say, which carried the most water, or had the greatest length of course, or best merited the honor of being considered the parent stream. A great number of streams, rising in the same plateau, and interlocking with the waters of Red river, and the other streams of lake Winnipeek, unite to form the St. Peter's and the Mississippi. Different authorities assign to these rivers such different names, that we should rather perplex, than instruct our readers, by putting down names, as having more authority than others. The St. Peter's, the principal upper branch of the Mississippi, has been scientifically and faithfully explored by the gentlemen of Long's expedition.—

They assign to the St. Peter's ten or twelve tributaries, some of them considerable streams, before its junction with the Mississippi. The principal of these are called Spirit, Beaver, Yellow, Medicine, Red Wood, Aux Liards and Blue Earth rivers on the west side, and Miawakakong and Epervier from the east. The principal river of the west fork of the Mississippi is the river de Corbeau. The other fork, before its junction with the main river, receives Deer, Meadow, Swan and Savanna rivers. Below Cedar and Muddy rivers, between 45° and 46° , there are strong rapids. Between them and the falls are Crow and Rum rivers.

With the common propensity of travellers to exaggerate, the falls of St. Anthony, until very recently, have been much overrated. Instead of the extravagant estimates of the first French writers, or the fall of fifty feet assigned to them by more modern authorities, the real fall of the Mississippi here is between sixteen and seventeen feet of perpendicular descent. Though it has not the slightest claim to compare with that of Niagara in grandeur, it furnishes an impressive and beautiful spectacle in the loneliness of the desert. The adjoining scenery is of the most striking and romantic character; and as the traveller listens to the solemn roar of the falls, as it sinks into feeble echoes in the forests, a thrilling story is told him of the love and despair of a young Dakota Indian woman, who, goaded by jealousy towards her husband, who had taken another wife, placed her young children in a canoe, and chaunting the remembrances of love and broken vows, precipitated herself and her infants down the falls. Indians are always romancers, if not poets. Their traditions say, that these ill-fated beings, together with their canoe, so perished, that no trace of them was seen. But they suppose, that her spirit wanders still near this spot, and that she is seen on

sunny mornings, carrying her babes in the accustomed manner bound to her bosom, and still mourning the inconstancy of her husband.

Above the falls, the river has a width of five or six hundred yards. Immediately below, it contracts to a width of two hundred yards; and there is a strong rapid for a considerable distance below. Ninety miles below the falls, and between 44° and 45°, it receives Rapid and St. Croix rivers; the former from the west, and the latter from the east. The St. Croix is reputed to have a boatable course of two hundred miles, and rises in lakes not far from the waters of lake Superior.

Near 44°, from the west comes in Cannon river, a tributary, which enters not far above the northern extremity of lake Pepin. This is no more, than an enlargement of the river. It is a beautiful sheet of water, of some miles in length, and broadening in some places from one to three miles in width. Nearly at its lower extremity, it receives the Chippeway from the east, with a boatable course of about an hundred miles. Between lake Pepin and the parallel of 43°, come in three or four inconsiderable rivers, of which Buffalo, Bluff and Black rivers, from the east, are the principal. Between 43° and 42° are Root, Upper Iaway and Yellow rivers from the west, and La Croix and Bad Axe rivers from the east.

Ouisconsin river comes in, from the east, about the parallel of 42°, and near that very noted point on the river, Prairie du Chien. It is one of the most considerable tributaries above the Missouri. It has a boatable course of more than two hundred miles, and interlocks by a very short portage with Fox river, that empties into Green bay of lake Michigan. In its progress towards the Mississippi, this river receives nine or ten considerable streams. It is the liquid highway of passage for the Canadian traders,

trappers and savages, from Mackinaw and the lakes to the immense regions of the Mississippi and Missouri. A little below this, comes in Turkey river from the west, and La Mine from the east. It is so named, from its traversing the country of the Illinois lead mines. Lead ore is dug here, at Dubuque's, and other lead mines, particularly on Fever river, probably, with greater ease, and in more abundance, than in any other country. These mines are found on a range of hills, of which the *Smoky mountains* are the highest points. On the opposite side comes in *Tete de Mort*. A range of hills, that here stretches across the river towards the Missouri, is probably, all a country of lead mines; for we have seen beautiful specimens of lead ore, dug near the Missouri, where this range of hills strikes that river.

A little below the parallel of 41° , comes in from the west the Wapisipinacon, a river of some magnitude and a considerable length of course. On the same side, a little lower down, comes in the Little Soutoux; and still lower, from the east comes in Rock river, a very considerable, limpid and beautiful river, celebrated for the purity of its waters, and the fineness of its fish. The lands in its vicinity are fertile. Among its principal tributaries are the Kishwake and Pektanons. Near the entrance of this river into the Mississippi is the United States' garrison, fort Armstrong. This river, like the Onisconsin, has an easy communication by a portage with lake Michigan, and is considered boatable for a distance of two hundred and forty miles. A little below this river, on the west side, comes in the Iaway, a stream of some magnitude. Below the parallel of 41° , come in from the eastern side two or three inconsiderable streams. Near 40° , on the west side, and in the state of Missouri, comes in the Des Moines, the largest tributary from the west above the Missouri. It receives itself a

number of considerable streams, and enters the Mississippi by a mouth one hundred and fifty yards wide. It is supposed to have a boatable course of nearly three hundred miles; and it waters a delightful country. On the opposite side, the waters, for a long distance, which rise near the Mississippi, flow into the Illinois. Between the Des Moines and the Illinois, come in from the west the Waconda, Fabian, Jaustioni, Oahaha, or Salt river, Bœuf, or Cuivre, and Dardenne rivers. These rivers are from fifty to an hundred yards wide at their mouth, and have boatable courses of some length.

In latitude 39°, comes in the Illinois from the east,—a noble, broad and deep stream, nearly four hundred yards wide at its mouth, having a course of about four hundred miles, and boatable almost its whole distance. It is the most considerable tributary of the Mississippi above the Missouri, interlocking at some seasons of the year, by one of its principal branches, the Des Plaines, with the Chicago of lake Michigan, without any portage. On this river, and some of the streams above, the peccan tree is found in its utmost perfection.

A little below 39°, from the west comes in the mighty Missouri, which, being both longer, and carrying more water, than the Mississippi, and imparting its own character to the united stream below, some have thought, ought to have given its name to the river from the junction.

Below the Missouri, omitting the numberless and nameless small streams, that come in on either side, as we have omitted them above, we shall only notice those rivers, that from their magnitude, or other circumstances, deserve to be named. The first river of any importance, that enters the Mississippi on the west side, below the Missouri, is the Maramec, that comes in twenty miles below St. Louis, a little above the parallel of 38°. It is nearly two hundred

yards wide at its mouth, and has a course by its meanders of two hundred miles.

Nearly in 38°, comes in from the other side the Kaskaskia, that runs through a most fertile and beautiful country in Illinois. It is eighty yards wide at its mouth, and has a course of nearly two hundred miles, great part of which, at some seasons of the year, is boatable. On the opposite side, enter two or three inconsiderable streams below St. Genevieve; on one of which is a saline, where considerable salt is made. Forty miles below Kaskaskia, comes in from the east Big Muddy. It is a considerable stream, remarkable for having on its shores fine coal banks.—Three miles below, on the west side enters Apple creek, on which used to be a number of villages of Shawnees and Delawareans.

Between 36° and 37°, on the east side, comes in the magnificent Ohio, called by the French, '*La Belle Rivière*.' It is by far the largest eastern tributary of the Mississippi. At the junction, and for an hundred miles above, it is as wide, as the parent stream. From this junction, it is obvious, from the very long course of the Tennessee, that river running into the Ohio in a direction apparently parallel and opposite to the Mississippi, that we can not expect to find any very important tributaries to the latter river, for a considerable distance below the mouth of Ohio, on that side. We find, in fact, that the Yazoo is the only river, that enters from the east, which deserves mention as a river of importance. Kaskinompee, Reel Foot, Obian, Forked and Hatchy are inconsiderable streams, that enter from the east, between the Ohio and the Chickasaw bluffs. Wolf river is of more importance, has a considerable length of course, and is fifty yards wide at its mouth.

On the west side, between 35° and 34°, enters the St. Francis. It is two hundred yards wide at its mouth, and has a comparative course of four hundred miles; three hundred of which, on one of its forks, are considered boatable.

A little above 34°, enters White river, rising in the Black mountains, separating its waters from those of the Arkansas. It has a comparative course of twelve hundred miles, and enters by a mouth between three and four hundred yards wide.

Thirty miles below, and between 34° and 33°, comes in the Arkansas,—next to the Missouri, the largest tributary from the west. It enters by a mouth five hundred yards wide. Its waters, when the river is full, are of a dark flame color; and its course, including its meanders, is commonly computed at two thousand five hundred miles.

Between 33° and 32°, a little above the Walnut hills, in the state of Mississippi, enters from the east the Yazoo, a river, which rises in the country of the Indians, and passes through the state of Mississippi, entering by a mouth, between two and three hundred yards wide. Below the Yazoo, on the same side, bayou Pierre, Big Black, Cole's creek and Homochitto enter the river.

Eighty miles below Natchez, and a little above 31°, on the west side, enters Red river, which, although not generally so wide, as the Arkansas, probably, has as long a course, and carries as much water. Immediately below this river, the Mississippi carries its greatest volume of water. Even above Red river, in high floods, water escapes from the Mississippi on the west side, in a great many places, which never returns; but not in quantity to carry off as much, as Red river brings in. A league and a half below Red river, on the same side, is seen the first important bayou, or efflux, that begins to diminish, and

convey to the gulf of Mexico by its own separate channel; the surplus waters of the Mississippi. It is the Atchafalaya, which, beyond question, was the ancient bed, by which Red river made its way to the gulf, without mingling its waters with the Mississippi. In high waters, it is now supposed to take off as much, as Red river brings in.

Twenty leagues below, on the east side, comes in bayou Sarah, the only stream of any importance, that enters below the outlet of Atchafalaya. Thence the effluxes receive all the waters, that rise near the Mississippi, and are continually diminishing its volume of waters. The next efflux, below Atchafalaya, is bayou Marshac, or Iberville,—an outlet from the east bank, a little below Baton Rouge, through which, in high waters, passes off a considerable mass, through lakes Maurepas, Ponchartrain and Borgne, to the gulf of Mexico.

At no great distance below, on the west side, is another considerable efflux, bayou Plaquemine; and at some distance below bayou La Fouché, a still more considerable outlet. Thence to New Orleans, the banks of the river are unbroken, except by crevasses. Below that city, there is no outlet of any importance, between it and the four mouths, by which the Mississippi enters the gulf of Mexico.

It runs but a little distance from its source, as we have remarked, before it becomes a considerable stream. Below the falls of St. Anthony, it broadens to half a mile in width; and is a clear, placid and noble stream, with wide and fertile bottoms, for a long distance. A few miles below the river Des Moines, is a long rapid of nine miles, which, for a considerable part of the summer, is a great impediment to the navigation. Below these rapids, the river assumes its medial width, and character from that point to the entrance of the Missouri. It is a still more beautiful river, than the Ohio, somewhat gentler in its cur-

rent, a third wider, with broad and clean sandbars, except in the time of high waters, when they are all covered. At every little distance, there are islands, sometimes a number of them parallel, and broadening the stream to a great width. These islands are many of them large, and have in the summer season an aspect of beauty, as they swell gently from the clear stream,—a vigor and grandeur of vegetation, which contribute much to the magnificence of the river. The sandbars, in the proper season, are the resort of innumerable swans, geese and water fowls. It is, in general, a full mile in width from bank to bank. For a considerable distance above the mouth of the Missouri, it has more than that width. Altogether, it has, from its alternate bluffs and prairies, the calmness and transparency of its waters, the size and beauty of its trees, an aspect of amenity and magnificence, which we have not seen, belonging in the same extent to any other stream.

Where it receives the Missouri, it is a mile and a half wide. The Missouri itself enters with a mouth not more than half a mile wide. The united stream below has thence, to the mouth of the Ohio, a medial width of little more than three quarters of a mile. This mighty tributary seems rather to diminish, than increase its width; but it perceptibly alters its depth, its mass of waters, and, what is to be regretted, wholly changes its character. It is no longer the gentle, placid stream, with smooth shores and clean sandbars; but has a furious and boiling current, a turbid and dangerous mass of sweeping waters, jagged and dilapidated shores, and, wherever its waters have receded, deposits of mud. It remains a sublime object of contemplation. The noble forest still rises along its banks. But its character of calm magnificence, that so delighted the eye above, is seen no more.

From the falls of St. Anthony, its medial current is, probably, less than two miles an hour, to the mouth of the Missouri; and from one point to the other, except at the rapids of the Des Moines, there is four feet water in the channel, at the lowest stages. Below the Missouri, from frequent descents in boats, which floated at the will of the current, we estimate its rapidity considerably higher, than has been commonly done. We consider its medial rate of advance at least four miles an hour. The bosom of the river is covered with prodigious boils, or swells, that rise with a whirling motion, and a convex surface, two or three rods in diameter, and no inconsiderable noise, whirling a boat perceptibly from its track. In its course, accidental circumstances shift the impetus of its current, and propel it upon the point of an island, bend or sandbar. In these instances, it tears up the islands, removes the sandbars, and sweeps away the tender, alluvial soil of the bends, with all their trees, and deposits the spoils in another place. At the season of high waters, nothing is more familiar to the ear of the people on the river, than the deep crash of a land-slip, in which larger or smaller masses of the soil on the banks, with all the trees, are plunged into the stream. The circumstances, that change the aspect and current of the river, are denominated, in the vocabulary of the watermen, *chutes*, *races*, *chains*, *sawyers*, *planters*, *points of islands*, *wreck heaps* and *cypress bends*. The divinity, most frequently invoked by boatmen, seems to have imparted his name oftener than any other to the dangerous places along the river. The 'Devil's' race paths, tea table, oven, &c. are places of difficult or hazardous navigation, that frequently occur. They are serious impediments to the navigation of this noble stream. Such is its character from Missouri to the Balize; a wild, furious, whirling river,—never navigated safely, except with great caution. On the

immense wreck heaps, where masses of logs, like considerable hills, are piled together, the numerous wrecks of boats, lying on their sides and summits, sufficiently attest the character of the river, and remain standing mementos to caution. Boats, propelled by steam power, which can be changed in a moment, to reverse the impulse and direction of the boat, are exactly calculated to obviate the dangers of this river.

No person, who descends this river for the first time, receives clear and adequate ideas of its grandeur, and the amount of water, which it carries. If it be in the spring, when the river below the mouth of Ohio is generally over its banks, although the sheet of water, that is making its way to the gulf, is, perhaps, thirty miles wide, yet finding its way through deep forests and swamps, that conceal all from the eye, no expanse of water is seen, but the width, that is curved out between the outline of woods on either bank; and it seldom exceeds, and oftener falls short of a mile. But when he sees, in descending from the falls of St. Anthony, that it swallows up one river after another, with mouths, as wide as itself, without affecting its width at all; when he sees it receiving in succession the mighty Missouri, the broad Ohio, St. Francis, White, Arkansas, and Red rivers, all of them of great depth, length and volume of water; when he sees this mighty river absorbing them all, and retaining a volume, apparently unchanged,—he begins to estimate rightly the increasing depths of current, that must roll on in its deep channel to the sea. Carried out of the Balize, and sailing with a good breeze for hours, he sees nothing on any side, but the white and turbid waters of the Mississippi, long after he is out of sight of land.

Touching the features of the country through which it passes, from its source to the falls of St. Anthony, it moves alternately through wild rice lakes and swamps, by lime

stone bluffs and craggy hills; occasionally through deep pine forests, and beautiful prairies; and the tenants on its borders are elk, buffalos, bears and deer, and the savages, that pursue them. In this distance, there is not a civilized inhabitant on its shores, if we except the establishments of Indian traders, and a garrison of the United States'. Buffalos are seldom seen below these falls. Its alluvions become wide, fertile, and for the most part, heavily timbered. Like the Ohio, its bottoms and bluffs generally alternate. Its broad and placid current is often embarrassed with islands, which are generally rich alluvial lands, often containing from five hundred to a thousand acres, and abounding with wild turkeys and other small game. For one hundred miles above the mouth of the Missouri, it would be difficult for us to convey an idea of the beauty of the prairies, skirting this noble river. They impress the eye, as a perfect level; and are in summer covered with a luxuriant growth of grass and flowers, without a tree or a bush. A journey, which we made through them, along the Mississippi, from bayou Sniacarta to the Illinois, in the month of August, can never be forgotten by us. We often made our way with difficulty on horseback through grass and flowers, as high as our head. At other times, we traversed hundreds of acres of a clean, short grass, of the character and appearance of the handsomest meadows, intended for the scythe. When this deep prairie skirted the river on one side, a heavy timbered bottom bounded it on the other. Generally, from the slightest elevation on either side, the sweep of the bluffs, corresponding to the curves of the river, were seen in the distance, mixing with the blue of the sky.

Above the mouth of the Missouri, to the rapids of Des Moines, the medial width of the bottom valley, in which the river rolls, measured from bluff to bluff, is not far from

six miles. Below the mouth of the Missouri, to that of the Ohio, it is not far from eight miles. The last stone bluffs of the Mississippi are seen, in descending, about thirty miles above the mouth of the Ohio. Below these, commences on the Mississippi, as is seen on the Ohio for some distance above its mouth, the aspect of a timbered bottom on either side, boundless to the vision. Below the mouth of the Ohio, the alluvion broadens from thirty to fifty miles in width; still expanding to the Balize, where it is, probably, three times that width. We express these widths in terms of doubt, because three fifths of the alluvion, below the mouth of the Ohio, is either dead swamp of cypress forest, or stagnant lakes, or creeping bayous, or impenetrable cane brakes, great part of it inundated; perhaps traversed in a straight direction from bluff to bluff, scarcely once in a year, and never explored, except in cases of urgent necessity. The bluffs, too, are winding, swelling in one direction, and indented in another, and at least as serpentine, as the course of the river.

Between the mouth of the Ohio and St. Louis, on the west side of the river, the bluffs are generally near it, seldom diverging from it more than two miles. They are, for the most part, perpendicular masses of lime stone; sometimes shooting up into towers and pinnacles, presenting, as Mr. Jefferson well observed, at a distance, the aspect of the battlements and towers of an ancient city. Sometimes the river sweeps the bases of these perpendicular bluffs, as happens at the Cornice rocks, and at the cliffs above St. Genevieve. They rise here, between two and three hundred feet above the level of the river. There are many imposing spectacles of this sort, near the western bank of the Mississippi, in this distance. We may mention among them that gigantic mass of rocks, forming a singular island

in the river, called the 'Grand Tower;' and the shot towers at Herculanæum.

On the eastern side in this distance, the bluffs diverge to a considerable distance from the river, and bound the American bottom, leaving an alluvial belt, divided into nearly equal divisions of timbered lands, and smooth prairies. This belt has a medial width of six miles, and is noted for the uncommon fertility of the soil. The bluffs mark the boundary between this belt and the hills. They are as high and as perpendicular, as the bluffs on the opposite side of the river; and, although generally at a distance of five or six miles from its present channel, they bear the same traces of attrition by the waters, the same stripes, marking the rising and falling of the river, which are seen on the opposite side. These seem to be impressive indications, that the Mississippi once swept their bases.

Opposite the mouth of the Missouri, the American bottom terminates, and the bluffs come in to the river. The bluffs bound the eastern bank of the river thence to the mouth of the Illinois. From these bluffs, we contemplate one of the most impressive and beautiful landscapes in the world. On the opposite side, the mighty Missouri is seen, bringing its turbid and sweeping mass of waters at right angles to the Mississippi. The eye traces a long distance of the outline of the Missouri valley, bounded on either side with an indistinct and blue line of hills. Above it is the vast and most beautiful Mamelle prairie, dotted with green islands of wood, and skirted at the farthest ken of the eye with hills and forests. Above you, on the same shore, is the valley of the Illinois, itself bounded by hoary and magnificent bluffs of a peculiar character. The river brings in its creeping waters by a deep bed, that seems almost as straight as a canal. You have in view the valleys and bluffs of two noble streams, that join their waters to the

Mississippi. You see the Mississippi changed to a turbid and sweeping stream, with jagged and indented banks, below you. You see its calm and placid waters above the Missouri. On the opposite prairie, there are level meadows, wheat fields, corn fields, smokes ascending from houses and cabins, vast flocks of domestic cattle,—distinct indications of agriculture and improvement blended with the grand features of nature. There are clumps of trees, lakes, ponds, and flocks of sea fowl, wheeling their flight over them; in short, whatever of grandeur, or beauty, nature can furnish to soothe, and to enrapture the beholder.

From the mouth of the Ohio, the scene shifts, and the bluffs are generally nearest the eastern shore; though on that shore there are often twenty miles between them and the river. They come quite in to the river, which washes their bases at the Iron banks, the Chalk banks, the first, second and third Chickasaw bluffs, Memphis, the Walnut hills, Grand and Petit gulf, Natchez, Loftus' heights, St. Francisville and Baton Rouge. In all this distance, bluffs are only seen in one place on the west bank—the St. Francis hills.

From the sources of the river to the mouth of the Missouri, the annual flood ordinarily commences in March, and does not subside until the last of May; and its medial height is fifteen feet. At the lowest stages, four feet of water may be found from the rapids of Des Moines to the mouth of the Missouri. Between that point and the mouth of the Ohio, there are six feet in the channel of the shallowest places at low water; and the annual inundation may be estimated at twenty-five feet. Between the mouth of the Ohio and the St. Francis, there are various shoal places, where pilots are often perplexed to find a sufficient depth of water, when the river is low. Below that point, there is no difficulty for vessels of any draught, except to

find the right channel. Below the mouth of the Ohio, the medial flood is fifty feet; the highest, sixty. Above Natchez, the flood begins to decline. At Baton Rouge, it seldom exceeds thirty feet; and at New Orleans, twelve.—Some have supposed this gradual diminution of the flood to result from the draining of the numerous effluxes of the river, that convey away such considerable portions of its waters, by separate channels to the sea. To this should be added, no doubt, the check, which the river at this distance begins to feel from the re-action of the sea, where this mighty mass of descending waters finds its level.

Below the mouth of Ohio, in the season of inundation, to an observing spectator a very striking spectacle is presented. The river, as will elsewhere be observed, sweeps along in curves, or sections of circles, of an extent from six to twelve miles, measured from point to point. The sheet of water, that is visible between the forests on either side, is, as we have remarked, not far from the medial width of a mile. On a calm spring morning, and under a bright sun, this sheet of water, to an eye, that takes in its gentle descending declivity, shines, like a mass of burnished silver. Its edges are distinctly marked by a magnificent outline of cotton wood trees, generally of great size, and at this time of the year, of the brightest verdure. On the convex, or bar side of the bend, there is generally a vigorous growth of willows, or young cotton wood trees, of such astonishing regularity of appearance, that it always seems to the unpractised spectator, a work of art. The water stands among these trees, from ten to fifteen feet in height. Those brilliant birds, the black and red bird of this country, seem to delight to flit among these young groves, that are inundated to half their height. Nature is carrying on her most vigorous efforts of vegetation below. If there be wind or

storm, the descending flat and keel boats immediately make for these groves, and plunge fearlessly, with all the headway they can command, among the trees. Should they be of half the size of the human body, struck fifteen feet from the ground, they readily bend before even a frail boat.— You descend the whole distance of a thousand miles to New Orleans, landing at night in fifteen feet water among the trees; but, probably, in no instance within twenty miles of the real shore, which is the bluff. The whole spectacle is that of a vast and magnificent forest, emerging from a lake, with its waters, indeed, in a thousand places in descending motion. The experienced savage, or solitary voyager, paddles his canoe through the deep forests, from one bluff to the other. He finds bayous, by which one river communicates with the other. He moves, perhaps, along the Mississippi forest into the mouth of White river. He ascends that river a few miles, and by the Grand Cut-off moves down the forest into the Arkansas. From that river he finds many bayous, which communicate readily with Washita and Red river; and from that river, by some one of its hundred bayous, he finds his way into the Atchafalaya and the Teche; and by that stream to the gulf of Mexico, reaching it more than twenty leagues west of the Mississippi. At that time, this is a river from thirty to an hundred miles wide, all overshadowed with forest, except an interior strip of little more than a mile in width, where the eye reposes on the open expanse of waters, visible between the trees.

Each of the hundred rivers, that swell the Mississippi, at the time of high waters, is more or less turbid. The upper Mississippi is the most transparent of all of them in low water. But, during its floods, it brings down no inconsiderable portion of dark, slimy mud, suspended in its waters. The mud of the Missouri is as copious, as the

water can hold in suspension,—and is whitish in color, much resembling water, in which fresh ashes have been mixed. The river below the Missouri assumes the color of that river. The Ohio brings in a flood, compared with the other, of a greenish color. The mixing of the waters of the upper Mississippi with the Missouri, and afterwards of the united stream with the Ohio, affords an amusing spectacle. The water of the Ohio is not much charged with earth, even at its inundation; but is still perceptibly turbid. The St. Francis and White rivers, at their floods, are not much stained. The Arkansas, when high, is as turbid, and holds nearly as much mud in suspension, as the Missouri; and its waters have a bright reddish color, almost that of flame. Its Indian name, *Ozark*, implies Yellow river. Red river brings in a turbid mixture of the same thickness, but of a darker red. After it has received these two rivers, the Mississippi loses something of its whiteness. The hills far up the Missouri, Arkansas and Red rivers are washing down. Pillars on their sides, of gigantic dimensions, bright colors, and regular forms, where they have been composed of an indurated earth, or clay, that more strongly resisted the action of rains and descending waters, are left standing. We have seen and admired these mementos of the lapse of time, the changes, that our earth is undergoing, the washing of waters, and the influence of the elements. Lewis and Clark speak of these remains of dilapidated hills far up the Missouri, where they appeared in their grandest dimensions.

The Mississippi, then, may be considered, as constantly bearing beneath its waters a tribute of the finest and most fertile vegetable soil, collected from an hundred shores, hills and mountains, and transported from distances of a thousand leagues. The marl of the Rocky mountains, the clay of the Black mountains, the earth of the Allegha-

nies, the red loam, washed from the hills at the sources of the Arkansas and Red rivers, are every year deposited in layers along the alluvion of the Mississippi; or are washed into the gulf of Mexico. We can have little doubt, that this river once found its estuary not far below the present mouth of the Ohio. It was, probably, then thirty miles wide, and grew broader quite to the gulf.—The alluvial country below, must then have been an arm of the sea. The different bluffs on its eastern shore, the Chickasaw bluffs, Natchez, and the other hills, whose bases the river now washes, were capes, that projected into this estuary. The banks of the river are evidently gaining in height above the inundation. The deposits of earth, sand and slime are not as equal in their layers, as we might suppose; but might, perhaps, be assumed, as depositing a twelfth of an inch in the annual inundation.

As soon as the descending mass of waters has swept over the banks, being comparatively destitute of current, and impeded, moreover, by trees and bushes, it begins to deposite a sediment of that mud and sand, which were only held in suspension by the rapidity and agitation of the descending current. It must be obvious, that the sand and the coarser portion of the mixture of earth will subside first; and that near the banks of the river will be the most copious deposition. We find, in fact, the soil contiguous to the rivers most sandy. It becomes finer and more clayey, as we recede farther from the bank, until near the bluffs; and at the farthest distances from the river, the impalpable mixture gradually subsides, forming a very stiff, black soil, called '*terre grasse*,' and having a feeling, when wet, like lard or grease. Circumstances, such as eddies, and other impediments, resulting from the constant changes of the banks, may cause this earth, in particular positions, to be deposited near the river. Where the banks

have fallen in, and discovered the under strata of the soil, we often see layers of this earth directly on the shore. But the natural order of deposition is, first, the sand; next, the marl; and last of all, this impalpable clay, which would of course be longest held suspended.

This order of deposition accounts, too, for another circumstance appertaining to the banks of this river, and all its lower tributaries, that do now, or did formerly, overflow their banks. It always creates surprise at first view, to remark, that all these rivers have alluvions, that are highest directly on the banks, and slope back, like a natural glacis, towards the bluffs. There are a thousand points, between the mouth of Ohio and New Orleans, where, at the highest inundation, there is a narrow strip of land above the overflow; and it is directly on the bank. But the land slopes back, and subsides under the overflow; and is, perhaps, twenty feet under water at the bluffs. This deceptive appearance has induced a common opinion, that this river, its tributaries and bayous, in their lower courses, run through their valleys on an elevated ridge, and occupy the highest part of their bottoms. The greater comparative elevation on the banks notwithstanding, we have not the slightest doubt, that the path of the rivers is, in fact, the deepest part of their basin, and that the bed of the river is uniformly lower, than the lowest point of the alluvion at the base of the bluffs.

One of the most striking peculiarities of this river, and of all its lower tributaries, has not often been a theme of observation, in describing it. It is the uniformity of its meanders, called in the phrase of the country, its 'points and bends.' In many instances these curves are described with a precision, with which they would have been marked off by the sweep of a compass. The river sweeps round, perhaps, the half of a circle, and is precipitated from the

point, in a current diagonally across its own channel, to another curve of the same regularity upon the opposite shore. In the bend is the deepest channel, the heaviest movement of waters, and what is called the thread of the current. Between this thread and the shore, there are generally counter currents, or eddies; and in the crumbling and tender alluvial soil, the river is generally making inroads upon its banks on the bend side. Opposite the bend there is always a sandbar, matched, in the convexity of its conformation, to the concavity of the bend. Here it is, that the appearance of the young cotton wood groves have their most striking aspect. The trees rise from the shore, showing first the vigorous saplings of the present year; and then those of a date of two and three years; and trees rising in regular gradation to the most ancient and lofty point of the forest. These curves are so regular on this, and all the rivers of the lower country, that the boatmen and Indians calculate distances by them; and instead of the number of miles or leagues, they estimate their progress by the number of bends, they have passed.

We have had occasion to remark this conformation, even on the upper courses of the Mississippi and Missouri; and that, too, where the curve seemed to have been scooped out of solid bluffs of lime stone. These sinuosities are distinguished on the lower course of the Ohio, on the St. Francis and White rivers, and they are remarkable for their regularity on the Arkansas. The curves on Red river are regular, but they are sections of circles comparatively small; and the river is so extremely crooked from them, that its course is generally obstructed from view in a length of two or three miles. All the bayous and effluxes of the Mississippi, and of these rivers, show the same conformation in their courses. A creole of the lower country would scarcely imagine, that a river could move on in any other

line, than in curves, described first upon one bank, and then upon the other.

There must be, beyond doubt, a general law for this uniformity of conformation; and we have heard various demonstrations, that were intended to explain it, and to show, that a moving mass of waters, on the principle of such a moving force, ought to sweep a curve in one direction, be propelled from the point of that curve, and then sweep a similar one on the opposite shore. These demonstrations have appeared unsatisfactory to us. It has always seemed to us, that in a tender and alluvial soil, and under similar circumstances, a moving mass of water, cutting a course for itself, would take the direction of a right line. The common solution certainly is not the just one, that is to say, that the river finds an obstacle, which gives it a diagonal direction in the first instance; and that this law, once established, continues to act with uniformity, in producing this alternation of curves. The courses of all the western rivers, in creating points and bends, are far too uniform, to be produced by an accidental cause. It appears clear to us, that the deviations from this rule are owing to accidental causes; but they are so unfrequent, that for the first three hundred miles on the Arkansas, we do not remember one; and there are not more than three or four 'reaches,' as they are called, or deviations from this rule, in the Mississippi, where the river for a considerable distance preserves a straight course, between the mouth of the Ohio and the Balize.

It follows from this disposition of the river, to take its direction in deep curves, and continually to wear them deeper, that, returning, as it were, on its track, it will often bring its points near to each other. It occurs more than once, that in moving round a curve of twenty-five or thirty miles, you will return so near the point, whence you started.

that you can return back to that point in less than a mile. There are at present bends of this sort on the Missouri and the Mississippi, particularly at Tunica bend, where you move round a curve of thirty miles, and come back to the point, where you see through the trees, and at the distance of three quarters of a mile, the point, whence you departed. It might be inferred, that it would so happen, when the waters on the upper point of the bend approach so near those on the lower point, that in high waters a crevasse would be made across the point, or the simple weight of the descending current would burst itself a passage through. In this case, the river soon finds its main channel from point to point; an island is formed; and the river rushes through what is called the 'cut off,' with great velocity and power. Such is the 'Grand cut off,' that has been formed since we first descended the river. We now pass from one point to another, in half a mile, to a distance, which it formerly required twenty miles to reach. The 'cut off' at *Fausse riviere*, Yazoo, Homochitto and Point Coupee bends are of this sort. Tunica, no doubt, will soon be of the number; and many other bends. Wherever the trees are cleared away from the banks by cultivation, the soil becomes of course more tender and yielding, and is easier perforated by the mass of moving waters. Nature is thus shortening the course of this long river. In process of time, the efforts of industry will yield their aid to the same result.

When these changes take place, the mouths of the ancient course of the river become choked; and long lakes are formed called '*fausses rivières*,' which, at the season of high water might easily be mistaken for the river itself, were they not without current, and did they not soon cover themselves with those aquatic plants, that in these climates are always found on still waters. There are an infinite

number of such bayous found on the lower courses of the Mississippi, Arkansas, and more than all, Red river, where they form such an inextricable net work, that in high waters it requires an experienced pilot to determine, which is the river, and which the bayou.

The thread of the main current is, as we have remarked, always near the bank of the bend; and the chief undermining of the banks is ordinarily there. As soon as the floods of the river begin to subside, and the waters to sink within the banks, the main thread of the current, which had been diminished in its action on the bank, by the diffusion of its waters over the bank, as soon as they return within the channel, acts with augmented force, and by a more uniform action from the surface to the bottom upon the banks, softened and diluted by the recent overflow.—Hence, immediately upon the subsiding of the river within its banks, is the time, when they are most apt to fall in. Then is the time, that we hear by night the deep crash of the trees, falling, and sinking in the flood. Then it is, that the land-slips carry in acres at a time; and it is then, that the narrow passages between islands become choked with trees, carried along by the current.

With one remark more, we shall close this outline of the Mississippi; which, minute as it may have seemed, is but a brief sketch of the character and circumstances of a river, which, described in detail, would occupy a volume. It is the most turbid river, and has the widest alluvial bottoms of any, with which we are acquainted. We may add, that it is beyond all comparison the narrowest river, that flows now, which carries so much water. In width and area of surface, it will hardly compare with the St. Lawrence. We have no doubt, that it carries the greatest mass of water, according to its width, of any river on the globe. From the quantity of earth, which it holds in sus-

pension in its descending waters, and which it is continually depositing along its banks, it will always be confined within a narrow and deep channel. Were it a clear stream, it would soon scoop itself out a channel from bluff to bluff. In common with most of its great tributaries, it broadens as it ascends, being, as we have remarked, wider above the mouth of the Missouri, with scarce a tenth of its water, than it is at New Orleans. In the same manner, Arkansas and Red river are wider a thousand miles from their mouth, than they are at that point. As the western rivers approach their *déboûche*, and increase their volume of water, they narrow, and deepen their channel.

INDIANS, OR ABORIGINAL INHABITANTS. Details of the Indians, that belong to the states and territories of this valley, will naturally be given under the accounts of them.— We mean here to bring, if it may be, into one group general views and outlines of the race, as we see it in all the climates from the sources of the Mississippi to the gulf of Mexico. Numerous and voluminous treatises have been written upon this subject, without, as we conceive, throwing much light upon it. We have read these treatises. We have long and attentively studied the Indian character. We have seen enough of that character, to be aware, that very few writers have done more than theorize, and declaim upon the subject. Seldom have they brought to it the only true lights—those of observation and experience. We ought to except from this remark, Charlevoix among the early, and the gentlemen of Long's expedition among the recent writers upon the Indians. The views of the latter, in particular, are calm, philosophical and just, as they go. They do not give us the fruit of preconceived prejudices, or theorizing harangues; and we refer those, who would take minute, interesting, and for the most part,

just views of the character and condition of the western Indians, to their narratives.

The greater part of the Indians of the United States dwell in the limits of this valley. Within the bounds of Georgia, Alabama, Florida, Mississippi and Tennessee, the southern Indians of this valley inhabit. These nations, without mentioning their subdivisions, are the Seminoles, the Baton Rouges, the Creeks, or Muskogee, the Cherokees, Chactaws and Chickasaws. The Creeks and Seminoles, before the late war were powerful tribes. Their population and power received in that war a withering check. Many of the Chactaws are incorporated with the Quawpaws of Arkansas. About a third of the Cherokee nation has emigrated to the country on the Arkansas, between the Quawpaws and the Osages. Many of the Creeks, or Muskogee, have emigrated west of the Mississippi. All these Indians, that remain east of this river, have adopted more or less of cultivation, and the arts of civilized life. The Cherokees and Chactaws, particularly the former, have been most successful in imitating the habits and institutions of the whites. They have looms, ploughs, blacksmiths' shops, slaves, enclosures, barns, taverns, brick dwellings in some instances, public roads, a census, a code of laws, civil divisions, and magistrates.— Their laws have very little of that delay, of which the whites complain; but are severe, energetic, and promptly administered. They have many municipal regulations, and singular customs; an amusing mixture of savage and civilized views, which afford a study of no common interest to the numerous travellers, that are obliged to pass through their nations, on their way by land from New Orleans and the lower states to the Atlantic country. They have numerous taverns, at regular distances, not much inferior to those in the adjacent country, inhabited by the

Americans. Some of their planters have large enclosures, and fine stocks of cattle and horses; and may be considered rich. We saw a Cherokee chief, who had a dozen slaves, fine teams, ploughs and looms. He had two or three wives, and twenty-seven living children, as he stated. His people were dressed, as are most of these nations, in plain cotton cloths of respectable fabric. The cotton, the dyeing articles, the manufacturing, and the whole fabric, from beginning to end, was within themselves. There are a number of respectable missionary establishments in their limits; and they begin to be deeply impressed with the importance of education. They have been making great efforts to establish a printing press in their country, and it is now in operation.

In the northern parts of Ohio and Indiana, and near lakes Erie and Michigan, is an establishment of the Shawnese,—a tribe formerly so powerful, and now hastening to decay. There was an important missionary station among them, which is removed to Michigan territory. Ohio, that once contained such a numerous Indian population, is computed at present to contain about two thousand, principally Shawnese. The Pottawatomies and Kickapoos, in Indiana and Illinois, are numbered, the former at two hundred and fifty, and the latter at six hundred. The Peorias, Kaskaskias and Cahokias, that figured so much in the early French history of this country, are nearly extinct. The Wyandots, Chippeways and Winnebagos hunt farther to the northwest, and extend their range to lake Superior. The Chippeways may be considered a patriarchal nation, of which many of the northern tribes are branches, and of whose language they speak dialects. There are other tribes so nearly extinct, that there are not now, perhaps, six individuals to maintain the name.

In ascending the Mississippi from St. Louis, we meet first with the Sacks, or as they call themselves, Saukies, and Foxes, or Reynards. They inhabit the country above and below Rock river, and claim the territory of the lead mines. The Ioways reside farther up the river, and near the Des Moines. The Winnebagos, or Puants, inhabit from the Ouisconsin to Green bay on lake Michigan.— They have the reputation of being particularly false and treacherous. The Menomene, or *Fals avoins*, inhabit the Menomene to lake Michigan.

Still higher on the Mississippi, and thence to the lakes, and thence to the country on the Missouri, and far up and down that river, wander the Sioux, or Dacotas. They are divided into six or seven tribes, with distinct names, given, as the French often fix appellations, from some poetical associations with natural objects. For instance, one of the most numerous tribes, inhabiting a region of forests, is called Was-pa-tong, *Gens des feuilles*, or the people of leaves. Each of these tribes has its distinct badge, coat of arms, or what is called 'totem' among them. They occupy a vast range, are a very numerous people, and, like the Chippeways, the parent stem of various tribes, whose language, though radically the same with theirs, has in process of time receded so far from it, that the different tribes require an interpreter to converse together. The Dacotas are the Ishmaelites of the West.

Surveying the country west of the Mississippi, and commencing the survey below St. Louis, between that town and the mouth of the Ohio, there used to be a number of villages of Delawares and Shawnees; and with them were mixed a considerable number of renegados from the Creeks, and the Indians of the lower Mississippi. There were in all, three or four hundred souls. They left the country, by an arrangement with the government. We

saw the nation, on their way to the country assigned to them, far up White river, and between that and the Arkansas. They have allied themselves with the Cherokees of the Arkansas.

In ascending the Missouri, we first meet with the Osages, a powerful tribe, who inhabit principally on the Osage river, and who spread themselves across the country to the Arkansas, and even to Red river. Ascending the Missouri, we find, as we advance, Ottos, Missouries, Ioways, Kansas, and Pawnees, divided into three bands—Grand Pawnees, Pawnee Republicans, and Pawnee Loups. After the Dacotas, or Sioux, they are, probably, the next most numerous people in this region. Still farther up, there are the Mandans, Puncabs, Omawhaws, Padoucas, La Plais, or Bald heads, and the Tetans. Still farther up, there are the Minnitarees, or *Gros ventres*, the Arrapahoe, the Crow, the Arricaree, the Snake, and the Black-foot Indians. Some of these tribes inhabit, and hunt occasionally on both sides of the Rocky mountains.

On the Arkansas, the first tribe on its lower course is that of the Quawpaws; with whom are incorporated many Chactaws. Still higher, we meet with the Osages. The Cherokees, who have immigrated to this river, seem to be a point of union for the ancient Shawnees and Delawares. The Indians of the Ohio, of these tribes, are immigrating to this region. Above them are the Pawnees and Arrapahoes. At the sources of this river are often seen bands of the Mexican Indians, as the Comanches and the Apaches, who come down from their mountains, to hunt the buffalo and the elk on the subjacent plains.

From New Orleans to Attakapas, and thence along Red river, are the remains of many of the ancient tribes of Louisiana, that will soon have no other memorial, than their names in the French histories of the country. These

are the Natchez, the Appalaches, the Tensas, Alabamas, Pascagoulas, Chetimaches, Biloxies, Tunicas, &c. Near the Sabine are a small number of Carancoahs, clearly cannibals. They are viewed with horror, and pursued with a spirit of extermination, by the adjacent Indians.

Higher on Red river inhabit, and hunt occasionally, many of the tribes, which we have mentioned, as having their more permanent home on the Arkansas. The Cadocs are a tribe, that dwell chiefly on Red river, and hunt the buffalo on the prairies between it and Arkansas. We might continue to swell this catalogue with the names of tribes, that once existed, but are now extinct; and others, of which there remain, perhaps, a few individuals.

Population. Any exact estimates of the number of Indians, within the limits of the territory of the United States, must necessarily be wanting. The statistical tables rate them at one hundred and eighty thousand. We have before us a detailed table of the estimated numbers of Indians in the Mississippi valley. These tables give the names of sixty tribes; some of them of barbarous orthography, and sufficiently wide from the sounds of the names, by which those tribes choose to call themselves. The whole number is estimated at one hundred and three thousand. This, if we do not include the Indians west of the Rocky mountains, of which we have no certain knowledge, is, probably, a large estimate.

The gradual decrease and extinction of these tribes, one after the other, has been a theme of copious and melancholy reflection with benevolent and thinking men. By an easy transition, they have passed to charging the cause, as a crime of the darkest die to the whites, and to our country. A prevalent fashion and theme of declamation have their date, and their period, in our country; and for the time, that they are in fashion, pass unquestioned. We

have thought, the common, loose and bitter charges, which, in contemplating this subject, have been brought against our fathers and our country, ought at least to admit of question. We have always had individuals in our country, who would constantly avail themselves of the opportunity, to distribute among them the poison of ardent spirits. But our government, it must be admitted, has practised towards them a steady and dignified moderation, and an untiring forbearance. Its provisions, to prevent the sale of whiskey among them, have been severe, and in general faithfully carried into effect. The strictness of our laws in this respect is one of the most incessant themes of complaint on their part; and the manner, in which we withhold whiskey from them, is considered by them, as the result of our covetousness. Our government is exerting a constant effort, to hold the tribes leashed in, and to prevent them from destroying one another. Had it been the policy of our government, to exterminate the race, as it has been taxed, nothing more would have been necessary, than to unkennel the savages, excite their jealousies, and stir up their revenge, and let them destroy each other.— But, on the contrary, it seems to have been the guiding maxim of the government, to do all practicable good, and ward off all possible evil from this devoted and unhappy race.

In the ancient states, in the legislative halls, on the floor of congress, from the pulpit and the press, it has been the favorite theme of eloquence, and the readiest passport to estimation for philanthropy and benevolence, to bring up the guilt of having destroyed the past races of this people, and of having possessed ourselves of their lands. One would think, it had been discovered, that the population, the improvements, and the social happiness of our great political edifice, ought never to have been erected in place of these habitations of cruelty. Let us pity them. Let us

practice forbearance to the ~~end~~^{end}. Let us send to them instruction, Christianity and the arts. They are not the less objects of our pity, and of our untiring benevolence, because the causes of their decay and extinction are found in their own nature and character, and the unchangeable order of things. It is as unchangeable, as the laws of nature, that savages should give place to civilized men, possessed of the strength, spirit and improvement of the social compact. We conceive, that it is not altogether owing either to the proximity of the whites, to ardent spirits, or small pox, that the Indian tribes are constantly diminishing.—The ten thousand mounds in this valley, the rude memorials of an immensely numerous former population, but to our view no more civilized, than the present races, are proofs, that the country was depopulated, ~~when~~ white men first became acquainted with it. If we can infer nothing else from the mounds, we can clearly infer, that this country once had its millions. We dig up their pottery, where we make our corn fields. We dig up their bones, when we level these mounds. They were, beyond doubt, a very rude people, and very laborious. Where are they now? Their places are occupied by a race, who were depopulating in their turn, when our forefathers first saw the country. We have no other grounds, on which to charge them with the guilt of having destroyed the generations, that are buried in these mounds, than the circumstance, that when we first knew them, they were engaged, as they are now, in constant and interminable wars with each other. Who of them owned the land, that we now inhabit? The races, that lie buried and forgotten on these plains; or the tribes, that advanced to-day, to dispossess the present occupants, to be dispossessed in their turn by another race? We firmly believe, that all ideas of property in the lands, over which they roamed after game, or

skulked in ambush, to kill one another,—all notions of a local property in these things, have been derived from seeing the value, which lands acquire from the occupancy of the whites. It is out of all question, that ages before they had seen white men, they were divided, as now, into an hundred petty tribes, engaged, as but for the interference of our government they would now be, in endless and exterminating wars, in which they dashed infants into the flames, drank the warm blood of their victim, or danced and yelled round the stake, where he was consuming in the fire. If they found the country, that pleased them, full of game, and unoccupied, they fixed themselves there peacefully. If occupied, they made upon the occupants a war of extermination. When their desires or caprices prompted them to wander to another region, they left nothing, but bark hovels, and a country, where game had become scarce, for one, where they could make new hovels of bark, and find game plenty. War was their amusement, prompted by their instinctive appetite.

It is no crime of the present civilized races, that inhabit these regions, that their forefathers came over the sea, and enclosed lands, and cut down trees, where the Indians had hunted and fought. If they will not, and can not labor, and cultivate the land, and lead a municipal life, they are in the same predicament with a much greater number of drunkards, idlers and disturbers of society, who are a charge and a burden upon it in all civilized communities. Like them, they ought to be treated with tenderness; to be enlightened and reclaimed, if possible; and, as far as may be, to be restrained from hurting us, and each other. But it is surely as unjust, as it is preposterous, to speak of the prevalence of our race over theirs, as an evil; and from a misjudging tenderness to them, do injustice to our own country, and the cause of human nature.

They are evidently depopulating, not only in the proximity of our people, but in regions too remote, to be affected by our contiguity. Such is the case, as Pike and Long's exploring party, and the Spanish remark, in tribes so remote from our borders, as scarcely to have heard of our government. There are, however exceptions to this rule. The Cherokees and the Chactaws increase in the country east of the Mississippi, almost in a ratio as great, as that of our people. It is earnestly to be wished, that this standing and conclusive proof of the advantage of our habits over theirs, will not be without its impression upon the other tribes. But it is much to be feared, that do what we may, all our schemes of benevolence to preserve them, as a distinct race, will prove abortive; and that they will soon be known only in history.

As we have remarked, some writers number sixty different tribes in this valley. They are scattered over an immense extent of country. They inhabit a great variety of climates. They speak different languages. They live on different kinds of food. There are differences of stature; and tribes of savages larger and smaller, than the ordinary stature of whites. There are differences of character, sensibility, intellect, standards of opinion and morals, and very different usages; and yet, take all the varieties of the races in the different climates into one view, and there is, probably, a greater physical and moral resemblance among them, than is seen among the inhabitants of any other region on the globe. Persons, who have seen the Chippeways of the north, or the Cados of the south, have seen fair samples of the Indians over all this valley.

In stature some tribes exceed, and some fall short of the medial stature of our people. The Dacotas, the Osages, and generally the savages of the middle regions of the

Missouri, are something taller, than our people. We should think the same of the Cherokees. The Shawnees and Delawares; and the Indians of the lakes and the upper Mississippi, appear to us to be shorter, than the whites. Their complexion is generally designated by the term, 'copper colored.' It does not convey an exact idea of the complexion of the 'red skins.' It is something darker, than untarnished copper, and perhaps nearer the color of well smoked bacon. We have seen full blooded Indians, both of the north and of the south, but more frequently in the latter climate, as black as ordinary negroes. But, though the dark tinge was as intense, there is a shade of difference, which the eye catches, and language can not, between the black visage of such an Indian, and a negro. Take the tribes together, there is little difference between the complexion of the northern and southern Indians. The same unchangeable tinge is visible even in the new born children.

There is no part of their external appearance, that more strongly distinguishes them from all other people, than their hair. It is always, in all the tribes, and under all circumstances, and in each of the sexes, black, until changed by age. But contrary to all, that has been asserted by many writers on this subject, we have seen an hundred instances, where they were gray. The hair is generally described by another term, which, perhaps, does not raise very distinct impressions. It is said to be lank. There is a peculiar aspect in an Indian tress, which only speaks to the eye. It hangs in knots, which have a peculiar feeling; and looks, as though greased, which it probably is. It is much finer, than the hair of the horse's mane; but in other respects resembles it. In mixtures with the whites, this singular and characteristic appearance of the hair, described with difficulty, but, when once seen,

always remembered, remains distinctly visible to the third generation.

They are generally erect, and of fine forms, with few instances of anomalous decrepitude and deformity. This, probably, results, partly from the manner, in which the children are reared, unswathed; unspoiled by indulgence and mismanagement of misguided fondness; but more, perhaps, to the circumstance, that feeble children, weak from deformity or want of natural vigor, can not endure the first hardships, with which nature salutes these frail beings on the threshold of existence. Nature cries aloud to them, as Volney has said it, 'be strong, or die,' and only the hardy and well formed survive. They have cleaner limbs, not so muscular, and bodies with less tendency to corpulence, than the whites. Corpulent Indians are very rare; but we have seen two or three full blooded Indians as corpulent, as the best fed burghers of our cities. The legs, both of the male and the female, have a remarkable curve, still more distinguishable, than that of the negro. In walking, they are remarkable for placing one foot in a right line before the other, and seldom turn their toes from that right line. In this way they instantly discover the track of their own people, as distinct from ours. They walk, too, the one directly behind the other, in what is called Indian file. We have often seen the husband and wife, the mother and daughter, the father and son, and even two equal aged young men, walking together, engaged, apparently, in earnest conversation; but never advancing abreast. The one is directly behind the other. Their senses are entire, acute, and there are few anomalies from the general analogy of human conformation.

The forehead is broad, and almost invariably retiring in a small degree. We scarcely remember to have noticed a projecting forehead. The nose is prominent, and

the base of the nostrils has a remarkable expansion; and in the male it is more commonly aquiline, than otherwise. The lips are intermediate between the common thinness of the whites, and thickness of the negroes. The cheek bones are high, and marked; and the face, in the line below the eyes, uncommonly wide,—and on this part of the face is strongly impressed the contour, that marks the Indian variety of the human countenance. The eyes are almost invariably black; but of a shade of blackness, very distinct from what we call such in the whites. We have seen the black eye of Italians and Spaniards, which had a color, and expression, like the black eye of the Indians.—There is something in their gait, too, apart from the crookedness of their legs, their dress, or their manner of placing their feet the one before the other, which enables us, at a great distance, to distinguish an advancing Indian from a white.

The squaw has a distinctly female conformation, and a delicacy of rounding in the limbs, as distinct from the harsher and more muscular and brawny form of the male, still more strongly marked, than in our race. It seems a refutation, directly in point, of the system of those female philosophers, who have asserted, that the frailer form of the female was only owing to their want of exposure, and the early gymnastic habits of the male. It is notorious, that the squaws are the drudges, the animals of burden, among this race, from their infancy. But they have the female delicacy of limb, and contour of joint, and slenderness of hand and foot, notwithstanding, as distinctly marked, as if they had been reared in indolence and luxury. The legs have the same curve with those of the male. We have scarcely seen an instance, where the female face was not broad and oval. The nose is flattened, scarcely ever aquiline, and for the most part re-

sembles that of the negro. They have a much greater uniformity of face, in this respect, than the male. The effluvia effused from their bodies, both male and female, when in high perspiration, has been often remarked by observers to be less disagreeable, than that of other races, in similar circumstances. Some have supposed this to arise from their almost universal use of unguents from fragrant herbs; others, that they have a less copious and disagreeable perspiration. Be the cause what it may, all people, who have been much among the Indians, agree in the fact.

In their moral habits, although no people on the globe will endure severer privations, will be more active, or travel farther, or hunt longer, or perform more incredible exploits of activity and daring, in their wars and in the chase, they must still be pronounced on the whole, a lazy people. They often pass from the extremes of travail and toil to the most perfect indolence. Like their dogs, they will scour their thickets all day in the chase; and like them, as soon as their toils are suspended, they sink either to sleep, or a dozing and half unconscious existence. The history of the life of a warrior, is a history of these constant alternations. But the idea of the steady and unremitting industry of the whites is intolerable to them. The history of the Indians, from the beginning, is full of this fact. The Spaniards could never bring the Indians of the islands to the steady labors of agriculture. They have been a thousand times enslaved in North America; but the instance is scarcely on record, where an Indian, male or female, became a diligent slave. With them the stimulant effect of the chase, fostered by early training, and associated with the idea, that success in it confers the next honors to those of war, and is one of their means of existence; or the still higher excitements of ambition and revenge, goading them

to war, are the only adequate motives to overcome their natural indolence. These excitements removed, the vagrant propensities of a life without object or pursuit, are with them an overwhelming instinct, in opposition to daily and unremitting industry. Extreme avarice in those, who have become successful cultivators, has supplied a motive of sufficient energy to induce them to mental exertion, in order to procure slaves. But wherever we have passed fields contiguous to Indian villages, the mean and miserable enclosures, the maize, planted out of rows, and crowded together at unequal distances; in short, the whole appearance of their cultivation, was sufficiently indicative of Indian character, that labor was their strange work, and that even their more industrious women and children were but poor and careless cultivators.

In regard to their moral character and dispositions, their modes of existence, their domestic habits, their amiableness, or unamiableness, different writers have taken very different views. Some have extolled their condition, as comprising the highest felicity of human existence; and their manners and morals, as the utmost perfection of human nature. Such were the dreams of Rousseau; and under the pen of Chateaubriand, they were transformed into a kind of amiable and happy Arcadians. Volney described them from observation; and the little, that he has said of them, shows great exactness, and depth of research, and describes more of the real Indian character and condition, than whole volumes, written by others.—Heckewelder had lived with a particular tribe,—had identified his feelings, and almost his affections, with them and their interests. Having a very narrow circle of observation, every thing in that circle became magnified out of proportion in his views. Their dim, and probably fabulous traditions, were to him matter of sober history. His

views of them do more credit to the benevolence of his heart, than to the discriminating powers of his mind; and are not exactly the data, on which a philosopher would form his opinions of the Indian character. About this character, scarcely any two writers have been agreed; and we have accounts of them almost diametrically opposite. Charlevoix was one of the first observers of the savages of Canada and the West. He saw them, too, under circumstances favorable for the developement of their real character; before their manners were sophisticated, or altered by communication with the whites. He has given us, perhaps, the most faithful account of the savages, that has ever been given. It accords with the views, that they have presented to us, at the present day. On the whole, his picture is that of a race, taken as a whole, neither amiable, nor happy. We can not expect to settle the collisions of opinion upon this point. The brevity of our limits confines us to a few passing remarks. We shall give some of their general traits, such as appear to us to be common to the race, and of which all, that have been extensively acquainted with Indian character and manners, will acknowledge the fidelity.

As a race, they have countenances, that are generally unjoyous, stern and ruminating. It is with them either gloomy taciturnity, or bacchanalian revel. When you hear Indians laughing, you may generally infer, that they are intoxicated. An Indian seldom jests; generally speaks low, and under his breath; and loquacity is with him an indication of being a trifling personage, and of deeds inversely less, as his words are more. Even the young men and the boys have a sullen, moody and thoughtful countenance; and seem to have little of that elastic gaiety, with which the benevolence of Providence has endowed the first days of the existence of most other beings. From this

general remark, we ought, perhaps, to except the squaw, who shows some analogy of nature to the white female. She has quicker sensibilities, is more easily excited; and when out of sight of her husband, or her parents, to whom these things are matters of espionage and of after reprehension, she laughs, and converses, and seems conscious of a pleasurable existence.

The males evidently have not the quick sensibilities, the acute perceptions, of most other races. They do not easily or readily sympathize with external nature. None but an overwhelming excitement can arouse them. They seem callous to all the passions, but rage. The instances, that have been given in such glowing colors, of their females having felt and displayed the passion of love towards individuals of the whites, with such devoted constancy, have, no doubt, existed. But they were exceptions—anomalies from the general character. We have seen fathers in their cabins, caressing their children; but even their caressing was of their customary moody and stern character, and as though they were ashamed to do it. They are apparently a sullen, melancholy and musing race, who appear to have whatever they have of emotion, or excitement, on ordinary occasions going on in the inner man. Every one has remarked, how little surprise they express for whatever is new, strange, or striking. Their continual converse with woods, rocks and sterile deserts, with the roar of winds and storms, and the solitude and gloom of the wilderness; their apparent exile from social nature; their alternations of satiety and hunger; their continual exposure to danger; their uncertain existence; their constant struggle with nature to maintain it; the little hold, which their affections seem to have upon life; the wild, savage and hostile nature, that incessantly surrounds them;—these circumstances seem to have impressed a

steady and unalterable gloom upon their countenances. If there be, here and there among them, a young man, who feels the freshness and vivacity of youthful existence, and shows any thing of the gaiety and volatility of other animals in such circumstances, though otherwise born to distinction, he is denounced, as a trifling thing; and the silent and sullen young savage will naturally take place of him. They seem to be born with an instinctive determination, to be, as much as possible, independent of nature and society, and to concentrate, as much as possible, within themselves an existence, which at any moment they seem willing to lay down.

Their impassible fortitude and endurance of suffering, their contempt of pain and death, invest their character with a kind of moral grandeur. It is to be doubted, whether some part of this vaunted stoicism be not the result of a more than ordinary degree of physical insensibility. It has been said, with how much truth we know not, that in amputation and other surgical operations, their nerves do not shrink, or show the same tendency to spasm, with those of the whites. When the savage, to explain his insensibility to cold, called upon the white man, to recollect how little his own face was affected by it, in consequence of constant exposure, the savage added, 'my body is all face.' This increasing insensibility, transmitted from generation to generation, finally becomes inwrought with the whole web of animal nature, and the body of the savage at last approximates the insensibility of the hoofs of horses. Considering the necessary condition of savage existence, this temperament is the highest boon of Providence. Of course no ordinary stimulus excites them to action. Few of the common motives, excitements or endearments operate upon them at all. Most of the things, that move us, they either do not feel, or hold in proud disdain. The

horrors of their dreadful warfare; the infernal rage of their battles; the demoniac fury of gratified revenge; the alternations of hope and despair in their gambling, to which they are addicted, even beyond the whites; the brutal exhilaration of drunkenness;—these are their pleasurable excitements. These are the things, that awaken them to a strong and joyous consciousness of existence. When these excitements arouse the imprisoned energies of their long and sullen meditations, it is like *Æolus* uncaging the whirlwinds. The tomahawk flies with un pitying and unsparing fury; and the writhing of their victims inspires a horrible joy. Let the benevolent make every exertion to ameliorate their character and condition. Let Christianity arouse every effort to convey her pity, mercy and immortal hopes to their rugged bosoms. But surely it is preposterous to admire the savage character in the abstract. Let us never undervalue the comfort and security of municipal and civilized life; nor the sensibilities, charities and endearments of our own homes. The happiness of savages, steeled against sympathy and feeling, at war with nature, with the elements, and with each other, can have no existence, except in the visionary dreaming of those, who never contemplated their actual condition.

It is curious to remark, that different as are their standards of opinion from ours, in the main they have much the same notion of a good and respectable man, that we have. If we mark the passion for military display among our race, and observe what point is assigned by common feeling, as well as history, to military prowess, we shall hardly consider it a striking difference from our nature, that bravery and daring command the first place in their homage. Their whole training, from their first to their last hour, inculcates the maxim, that courage is every thing. But apart from these views, the same traits of

character, that entitle a man to the appellation of virtuous and good among us, have the same bearing upon the estimation of the Indians. In conversing with them, we are struck with surprise, to observe how widely and deeply the obligations of truth, constancy, honor, generosity and forbearance are felt and understood among them.

It has been often observed by foreign writers, and the sentiment has been echoed among philosophers of our own country, that they were less subject to desire, and that the sexual propensities were weaker in their race, than in ours; and they have evidenced the want of beard in the males, as a physical proof. The Indians are as particular, as the Parisians, not to depart from their own modes and fashions. But we have occasionally seen a savage, who had the courage or the affectation to be singular, and such a person has a beard, that would not do discredit to an Oriental. It is well known, that one of the most general and troublesome employments of the young Indians is, to pull out the starting crop of beard with tweezers. We know not if their beard would grow naturally as abundant, as that of the whites. But if it would not, it is unquestionably owing to other causes, than want of natural vigor. Labor, a diet often meagre from necessity, exposure, and the indulgence of passions of a deeper character, as ambition, vindictiveness and the appetite for war, would probably weaken, if not extinguish, in whites passions, which are fostered in indolence, plenty and repose. But when savages are placed in situations favorable to the developement and indulgence of animal desires, we have seen no indications that they are feebler, or less intense in them, than in the whites. When we look upon the wild and naked elements, upon which, in some sense, their children are cast; when we consider how unfavorable is their situation for rearing children, we are

astonished, at seeing so many in their cabins. Of the squaws, that we have seen, of mature age, a very great proportion of them had their babe, either swinging in its bark cradle, suspended between two trees; or if the mother was travelling, hung to her back by the usual strings, passed over her shoulders, compressed to her back by a bark cage, not unlike the shell of a tortoise. Its copper colored nose is seen peeping from this cage, like that of the tortoise from its shell; and even the infant seems to feel, that crying is to no purpose; and its note of grief is seldom heard.

It is to be lamented, that the intercourse of the whites among them has been calculated to convey any impressions of them, rather than those of the philosophers, of whom we have spoken. Numberless fatal cases of jealousy are recorded of their young warriors, in reference to the deportment of our people towards their women, while among them. The manners of our people, in this intercourse, have too often been an outrage upon decency and humanity. There are but few tribes, among whom the passing American sojourner, if he have any respectability of appearance, does not receive the offer of the daughter, or perhaps the wife, of his host, as a temporary companion. Almost every American trader and resident among them has an Indian wife; and but too often, wives in the region, which they left. In Long's first expedition an instance of this sort is recorded, of the deep and devoted constancy of affection on the part of the young Indian wife, and thrilling proofs of the struggle between maternal and conjugal affection. The whole story is characteristic; and reflects as much honor upon the Indian wife and mother, as it does shame and contempt on the base and cold blooded perfidy of the American husband.

In all the Indian tribes, they have contrived to emulate the most polished and civilized people in the extent of prostitution, practised among them; and these degraded beings have the same estimation in the one country and the other. Unnatural vices, fornication and adultery prevail among many of the tribes, no doubt, to a great extent; but taking into view the opportunities in the solitude of the desert, the smallness of their societies, and the diminished influence of opinion, that results from it; taking into view, that they have no laws, but indefinite opinion, no religion, and no visible restraints,—the state of morals in these respects is far better, than would naturally be expected. Instead of admiring, that these vices are practised among them, but, perhaps, not to a greater degree, than in civilized countries, it is to a thinking mind matter of astonishment, that there is so much decorum and restraint in these respects, as there is. We feel constrained, too, to place this decorum among themselves, and that astonishing delicacy, with which they deport themselves towards white females, that fall into their power, to a more honorable cause, than the destitution of passions. When we have passed various Indian tribes encamped near together, in company with ladies, we have observed the same manners, and the same indications of what was passing in their minds, that we should expect to see in untrained and low people among ourselves; nor have we ever believed for a moment, that the propensities of nature are not as strong, under similar circumstances, in them, as in us.

There are different standards of morals among them, as there are among the white nations. With some tribes adultery is a venial offence; and in others it is punished with mutilation, death, or the handing over the degraded female to all the males of the tribe. The instance of a young squaw, who is a mother before marriage, is a very

uncommon occurrence; nor have we as much faith, as others, in their adroitness at procuring abortion. In the case of a young Indian woman the fact of pregnancy could not be hidden.

The modes of managing marriage are as various, as among the whites. If there be any prevalent custom among the tribes, it is, that the parents manage the matter; and the young warrior in the morning finds the squaw, elected by the parents, sitting in his quarters, with whatever she is expected to bring, as dowry, removed with her. It sometimes, but not often, happens, that he enters his dissent, and she returns with her baggage to her mother. It is an universal custom to marry as many wives, as the warrior or hunter pleases. This is an affair, accurately prescribed by custom. If a young hunter has been for a length of time very successful in hunting, like a rich Turk, he is authorized by opinion to take as many wives, as he has proved himself able to maintain.

Jealousy in this case, and in all other cases, shows itself under the same forms, which it would naturally assume among our people. In Long's first expedition, we have a very amusing account of the manner, in which a wife departs herself, when her husband happens to manifest a greater fondness for another wife. Sometimes the favorite, to avoid her tongue, teeth and nails, flies with her husband to the campaign or hunt. At others, in dread of her life, she returns to her parents. When the two wives quarrel, whatever be the taciturnity of the husband, there is no want of words between the wives. The husband, squat on his hams, with his pipe in his mouth, and his head half covered, and his eyes half closed, affects to be dozing, while they rate each other. If the contest of words goes on to blows, as is often the case, he arises with the stern air of a judge, and parts them, with a manner, that indi-

cates which is the favorite. The wives generally find one lodge too narrow for both to inhabit together. The Indian spends his time, perhaps, in equal portions between them. But if he happen to spend more time with the one, than the other, when he returns to the neglected wife, she manifests her view of the case by kicking his dog, throwing his food on the ground, and letting him with great frankness into her thoughts of him and his favorite. The more our species are studied, the more clearly it is found, that the human heart is every where the same.

It is beyond all question, that some of the tribes now occasionally practise cannibalism; and that before the new world was visited by the whites, it was a custom generally, if not universally prevalent among them. The imperceptible influence of the horror, with which this practice is regarded by the whites, has made its way among them; and, little as they are disposed to confess, that they are swayed by our opinions, the earnestness with which they deny the existence of the practice at present in their tribes, and with which they attempt to vindicate their ancestors from the charge, is an incontestible admission of the influence, which our opinions exercise over them.

It would extend these remarks beyond our object, to give extensive and general details of Indian manners and modes of life. An important era with the youth of all the tribes is that, when they pass from minority to the duties and estimation of warriors and hunters. This period is celebrated with great solemnity. It is well known, that hunting is the serious business, and war the important amusement and pleasure of their lives. The manner, in which they conduct these pursuits, is sufficiently well known. Their modes of constructing their habitations vary, according as they dwell in a country of forests or prairies, or a northern or southern climate. Although

in the very few instances, in which the savages have become cultivators in good earnest, they may have constructed good houses, the far greater portion aim at nothing more, than the frailest and rudest cabin. Yet in the construction of these, there are the same differences, as are seen in the cabins of the backwoods men. Some are extremely rude; and some are framed with ingenious and persevering reference to comfort and utility. The same differences are visible in the internal arrangement and keeping of the cabin. In most instances the interior is filthy and uncomfortable, beyond the endurance of any but a savage. We have been in others, where the neatly matted floor, or the earth covered with the fresh verdure of the palmetto, and the neatness of all the accompaniments, gave the scene such an air of comfort, as created a train of pleasant associations with the place.

Like all ignorant people, unable to trace the relation between results and causes, they are beyond all other people superstitious. It may be laid down, as an universal trait of the Indian character. The warrior, who braves death a thousand times and in every form in the fury of battle, carries with him to the combat a little charmed bag of filthy and disgusting ingredients, in which he places no little reliance, as security against the balls and arrows, that are fired upon him. They are much addicted to faith in dreams. One of the dreamers, the day before alert, confident and intrepid, awakes the next morning, subdued and timid. He paints one side of his face black. He subjects himself to the most rigorous abstinence and fasting. Nothing can induce him to indulge or taste food, until the interdict has passed away. He has dreamed an unfavorable dream. Such astonishing hold have these dreams upon their mind, that a warrior has been known to assume the dress, the duties, the drudgery, and, what is

infinitely more humiliating to an Indian, the estimation and standing of a squaw, in consequence of one of these dreams.

This great tendency to superstition in an Indian mind furnishes strong inducements to ingenious and bold impostors among them, to assume the character of jugglers, quacks, medicine men and prophets. Our country had a terrible proof of the efficacy of this assumption, in the case of the 'Shawnee prophet,' and inferior men of the same character, during the late war. A chief among the savages of the Missouri exercised, through the influence of fear, a long and severe authority over Indians, by whom he was abhorred. He had a medicine bag of terrible efficacy; and his enemies fell on his right hand and on his left. It was a received opinion in his tribe, that his wish had a withering and fatal influence on whomsoever he directed it. After his death, his grand medicine was found to be arsenic.

Every thing with them, of great efficacy and power, that is inexplicable, is a 'medicine;' and the medicine men among them have the next degree of consideration to chiefs and noted warriors. We have conversed with Indians, who were atheists, and treated as fabulous all notions of the immortality of the soul; and defended their opinions with as much ingenuity, as abandoned people of the lower orders among ourselves, who profess to hold the same opinions. But in some shape or form, almost all savages admit the being of God, and the immortality of the soul. The Great Spirit is termed in many of their languages, '*Wahconda*,' or Master of Life. Storm and thunder are manifestations of his wrath; and success in war and hunting, of his favor. Many of the tribes have forms of prayer, in the use of which they are regular and earnest, particularly when starting on expeditions of hunting or war.—

Their prophets occasionally give out, that they have had communications with this Spirit, who has made himself visibly manifest to them, in the form of some bird or beast; and they paint their faces black, and observe great mystery on the occasion; and thence derive their claims to prophecy, and to be treated with the deference of 'medicine men.' Their notions of the condition of departed spirits are such, as we might expect from their character and condition. In some distant region of a southern temperature, they place the home of the worthy departed in the country of 'brave and free' spirits, who pass to that country of game and good cheer over a bridge, scarcely wider than a hair, suspended over a yawning gulf. They, who have firm hearts and feet, and unblenching countenances,—that is to say, who were good warriors in life, pass safely over the bridge; while the timid and trembling fall into the gulf below.

Though they will sometimes talk of these matters with great earnestness and apparent conviction, yet, we believe, of all people, that have been known on the earth, their thoughts, hopes and fears dwell the least on any thing beyond this life. It seems to be inexplicable to them, that any part of their conduct here can have any bearing upon their condition hereafter. If they can be comfortable, and gain their points in this life, they concern themselves very little about what will happen to them in the life to come. Of course adult savages have too often been found hopeless subjects, upon whom to inculcate the pure and sublime truths of our gospel. The days of the Brainerds and Elliotts seem to have gone by; or the western and southern savages are more hopeless subjects for conversion, than those of the north. They have certainly been found utterly destitute of the plastic docility of the Mexican and Peruvian Indians. Charlevoix has given, as a characteristic

trait of the Canadian and western savages of his day, one, that has been found equally applicable to them at the present time. They listen with apparent docility and attention to our expositions of our religion, our faith, and our hopes; and assent to all, and admit, that this may all be true, in relation to individuals of our race. They relate in turn their own fables, their own dim and visionary notions of a God and hereafter; and exact the same docility and complaisance to their creed, which they yielded to ours.

In respect to the lesser morals, all savages in this region are hospitable. Even the enemy, whom they would have sought, and slain far from their cabins, who presents himself fearlessly there, claims, and receives their hospitality. They accord to the cabin hearth the honors and the sanctity of an asylum. A great number of instances are on record, of savages of hostile tribes, obnoxious to the most deadly revenge of particular warriors, presenting themselves on a sudden before those warriors, and offering their bosoms to the knife. This heroism often not only disarms revenge, but with admiration excites more generous feelings, and brings about a peace between the contending tribes. That part of our character, which they are the last to understand, is that when we have received in their villages the most ample hospitality, they, in returning the visit, should find, that our strangers lodged in taverns.

We have not the same plenary faith in their tenacious remembrance of kindnesses, and the certainty of our dependence upon the constancy of their friendship. We consider them a treacherous people, easily swayed from their purpose, paying their court to the divinity of good fortune, and always ready to side with the strongest. We should not rely upon their feelings of to-day, as any pledge for what they will be to-morrow.

They are well known for their voraciousness of appetite. They endure hunger and thirst, as they do pain and death, with astonishing patience and constancy. When they kill a deer, a buffalo, or a bear, after a long abstinence, they will devour an enormous quantity of the flesh. Their fatal and devoted attachment to ardent spirits is matter of melancholy notoriety. In all their councils, and talks and conferences with the officers of the government, from lake Erie to the Rocky mountains, the first and the last request is, 'whiskey.' This is the only point, upon which it is useless to appeal to the feelings of honor and shame in an Indian. Declaim, as we may, against the use of it; paint the ill effects of it, as strongly as we choose; speak with as much contempt, as we may, of drunkards; their best and their bravest still clamor for whiskey. Schoolcraft gives us a characteristic anecdote to this effect. A noted Pottawattomie chief presented himself to the American agent at Chicago, as a good man, and a good friend to the Americans, and concluded with the usual request for whiskey. The reply was, that the agent did not give whiskey to good Indians; that such neither asked for it, nor drank it, when offered; that it was bad Indians only, who asked for whiskey. The Indian replied with great quickness, in broken English, 'Me d——n rascal.'

All words would be thrown away in attempting to portray in just colors the effects of whiskey upon such a race. It is, indeed, the heaviest curse, that their intercourse with the whites has entailed upon them. Every obligation of duty, as philanthropists and Christians, imposes upon us all possible efforts to prevent the extirpation of the whole race; the inevitable consequence of their having free access to this liquid poison. We have adverted to the stern and rigorous prohibitions of the general government, and the fidelity with which they are generally carried into effect;

and yet, in some way or other, wherever Americans have access, Indians have whiskey. It is understood, that the laws of the state governments and of the general government are not in concert upon this subject. It is matter of undoubted fact, that in the states, the Indians find much less difficulty in procuring whiskey, than in the territories; and of course intoxication is far more common. The duties of the states imperiously call upon them, to frame laws in unison with those of the general government, and to unite with that, to prevent these unhappy beings from exercising their suicide propensities.

It has been inferred, because they make it a point, not to express astonishment, or curiosity, in view of our improvements and arts, that they have little curiosity; and because they seem to hold them in contempt and disdain, that they have nothing analogous to the cupidity, vanity, or pride of the whites. They are, unquestionably, a very proud race; and their pride induces them to affect indifference, and to hold those things in apparent contempt, which they are conscious they can not obtain. As regards their vanity, we have not often had the fortune to contemplate a young squaw at her toilette. But from the studied arrangement of her calico jacket, from the glaring circles of vermilion on her round face, from the artificial manner, in which her hair is clubbed, and from the time, which she occupies in completing these arrangements, we infer, that dress and personal ornament occupy the same portion of her thoughts, that they do of the fashionable woman of civilized society. A young Indian warrior is notoriously the most thorough going beau in the world. Broadway and Bond street, furnish no subjects, that will spend as much time, or endure as much crimping and confinement, to appear in full dress. We think, that we have observed such a character, constantly employed with his paints and

his pocket glass for three full hours, laying on his paints, and arranging his tresses, and contemplating with visible satisfaction, from time to time, the progress of his attractions. The chiefs and warriors in full dress have one, two or three clasps of silver about their arms, generally jewels in their ears, and often in their nose; and nothing is more common, than to see a thin, circular piece of silver, of the size of a dollar, hanging from their nose, a little below their upper lip. This ornament, so horribly inconvenient, seems to be one of the highest Indian taste. Painted porcupine quills are twirled in their hair. Tails of animals hang from the hair behind; or from the point, where they were originally appended to the animal. A necklace of bears' or alligators' teeth, or claws of the bald eagle, or common red beads, or wanting these, a kind of rosary of red hawthorns, hangs about the neck. From the knees to the feet the legs are ornamented with great numbers of little, perforated, cylindrical pieces of silver or brass, that tinkle, as the person walks. If to all this, he add an American hat, and a soldier's coat of blue, faced with red, over the customary calico shirt, he steps firmly on the ground, to give to his tinklers a simultaneous noise, and apparently considers his person with as much complacency, as the human besom can be supposed to feel. This is a very curtailed view of an Indian beau, and faithful, as far as it goes, to the description of almost every young Indian at a great public dance.

So many faithful prints have recently been presented to the public of the Indian figure and costume, that most of those, who have not seen the living subject, have definite views of it. The males, for the most part, wear leggins, setting closely from the loins to the ancles, generally of smoke-tanned deer skin, sometimes of blue cloth. Those, who inhabit beyond the range of the buffalo, wear a blan-

ket, thrown loosely over the shoulders; and those, who live in the region of the buffalo, wear a dressed skin of that animal. Their moccasins are ornamented with extreme care, with different colored porcupine quills, arranged in lines and compartments. But in the sultry months, they are often seen with no other dress, than a piece of blue cloth, in the language of the country, 'strouding,' passed between the thighs, and brought round the loins. In regions contiguous to the whites, they have generally a calico shirt of the finest colors; and they are particularly attached to a long calico dress, resembling a morning gown.

The women have a calico jacket, leggins, not much unlike those of the men, and wherever they can afford it, a blue broadcloth petticoat. We do not remember to have seen Indians, either male or female, affect any other colors, than red or blue. The thick, heavy, black tresses of hair are parted on the forehead, and skewered with a quill or thorn in a large club behind.

They have various dances, to which they are extravagantly attached; and which often have, as did the dances of the old time, a religious character. The aged council chiefs drum, and the young warriors dance with great vehemence, beating the ground with their feet. They pursue the business with a vigor, which causes the perspiration to pour from their bodies. They have the war, the council, the feast, and the dog dance; and tunes corresponding to the different objects. The tunes are very monotonous, running through only three or four notes, and constantly recurring to the same strain. In most of the tribes, the women take no part in the song or dance.—Among some of the tribes, we have heard the women chime in on the last note.

Incredible stories are related of the powers of their jugglers and mountebanks. Many of their alleged feats never took place, except in the imaginations of the ignorant people, who related them. But they have, undoubtedly, a rigidity of muscle, a callousness of nerve, and a contempt of pain and wounds, that enable them to achieve swallowing fire, putting knives and swords down their throats, and such like exploits, with great success. To create admiration is of course a passion with them; and this desire incites them to thought and study, in order to learn the mystic arts of legerdemain, in which they certainly attain no inconsiderable proficiency. Their medicine men are a kind of jugglers; and there is much ceremony and affectation of mystery, in the preparing and administering their medicines. The most amusing part of this business is, that the scaramouch, who has gone through all the ceremonies, and prepared the medicine, generally takes it himself. We have little faith in their boasted acquaintances with remedies, from their own vegetable kingdom. We have remarked, that when they were near our settlements, their sick are in the habit of applying to our physicians.

The Indian head is such, as we would suppose the craniologists would select, as finely moulded for intelligence. In this respect he would probably place them, as a race, beside the *homo sapiens Europæus*. We have seen them in every position, to try native acuteness. We have taught their young. We consider them naturally a shrewd, intelligent people, with heads capable of the highest mental developement in every department of thought, in as great a degree, as our own race. They have, probably, as much curiosity, but a more stern perseverance in the effort to suppress it. The first time, that they witness a steam boat, they never suppress the outward expression of their admiration, and their emphatic 'ugh!'

Languages. It can not be expected, that we should dismiss this article, which, with every effort to curtail it, has grown up under our hands, without remarking upon their languages. In all their dialects, we suspect, that, like the Chinese, their words were originally but of one syllable.—Every word, then, of more than one syllable, has been formed in the progress of advancing ideas among them, by a corresponding combination of ideas. Having few abstractions among their ideas, and knowing and caring little about our complex combinations of thought, conversable wholly with tangible and visible matters, their expressions are paintings of sensible ideas with the coloring matter of words. Whenever we undertake to convey to them a connected chain of abstract ideas, they turn to us for a while with a complacent inclination of the head, and apply their hand to their ear, with the sign, so readily understood by all Indians to imply, that they are deaf. Their manner of numbering, evidences the extreme simplicity of their language. We have requested of all the tribes, with which we have been conversant, their terms of numbering, as far as an hundred. In some the terms are simple, as far as ten. In others six is five-one, seven five-two, and so on. Beyond ten they generally count by reduplication of the ten. This they perform by a mechanical arithmetic, intricate to explain, but readily apprehended by the eye. Some of the tribes are said to be perplexed in their attempts to number beyond an hundred. When the question turned upon any point, that involved great numbers, we have generally heard them avail themselves of an English word, the first, we believe, and the most universally understood by savages—heap! We have read, that in some of their languages, there are subtleties of structure, and nice shades of divisions of time, in the tenses of their verbs, that transcend even the famed exactness and

finish of the Greek. There is something inexplicable, it must be admitted, in the combinations and artificial structure of the language of a people of such extreme simplicity of thought.

We profess to know little of the origin of these languages. We suspect, that a life might be spent in studying them in the closet to very little purpose. The savages vary their meaning by the accent and intonation, which they give their words, still more than the French. We fear, that a printed page of Indian words, most carefully and accurately noted by the marks of accent and sound in our dictionaries, could hardly be read by an unpractised American so as to be intelligible to the Indian, whose language they purport to be. We suppose the Muskogee and Chelokee to be the patriarchal dialects of the south; the Chippeway and Dakota, of the Indians of the lakes and the upper Mississippi; and the Ozadghe and Pawnee, of the savages of Missouri, Arkansas and Red river. We should not forget, that they have a language of signs,—the Latin, or common language, by which all the tribes converse with each other. It is a trite maxim, that necessity is the mother of invention; and it is inconceivable, except by those who have witnessed it, how copious and expressive a language they have formed with signs. In Long's first expedition a full and accurate vocabulary of this language is given.

After all, that, which has struck us in contemplating the Indians with the most astonishment and admiration, is the invisible but universal energy of the operation and influence of an inexplicable law, which has, where it operates, a more certain and controlling power, than all the municipal and written laws of the whites united. There is despotic rule, without any hereditary or elected chief. There are chiefs with great power, who can not tell when,

where, or how they became such. There is perfect unanimity in a question involving the existence of a tribe, where every member belonged to the wild and fierce democracy of nature, and could dissent, without giving a reason. A case occurs, where it is prescribed by custom, that an individual should be punished with death. Escaped far from the control of his tribe, and as free as the winds, this invisible tie is about him; and he returns, and surrenders himself to justice. His accounts are not settled, and he is in debt; he requests delay, till he shall have accomplished his summer's hunt. He finishes it, pays his debt, and dies with a constancy, which has always been, in all views of Indian character, the theme of admiration.

A serious question occurs in conclusion. What is the prospect of bringing to these rugged and comfortless beings, apparently the outcasts of nature and civilization, the moulding, the guidance and hopes of the gospel?—The gloomy fact must be admitted, that but little has yet been done. Pious and devoted Catholic missionaries have carried their lives in their hands, have renounced all earthly hopes, and have lived and died among them, to carry them the gospel. The Protestants have not been behind them in these labors of love. But after the lapse of more than a century, scarcely an adult savage can be found, west of the Mississippi, who will pronounce himself a Christian. There are many, that have crosses suspended from their necks, which they show, as they do their medals. They seem to think, that the profession of Christianity gives them additional claims upon us. While we were writing, some Appalachy Indians applied to the judge of the district, where we resided, for redress. They spoke of the alleged outrage in terms of indignant feeling. '*Nous sommes baptisés,*' we have been baptized, said they; and

appeared to feel, as if this gave the outrage a greater enormity. We are sure, that if any effort can have marks of moral heroism, and nobleness of self-devotion beyond another, the self-devotion of missionaries among the savages is the noblest of all. Surely, if any men merit earnest wishes and prayers for their success, it must be those men, who have left the precincts of every thing, that is desirable in life, to go into these solitudes, and take in hand, these uninformed children of nature.

There are some circumstances, which invest the present missionary efforts with stronger probabilities of success, than any, that have preceded them. The number of Indians, that are half breeds, or mixtures of the blood of the whites, is great, and continually increasing. These generally espouse, either from conviction, or from party feeling, the interests of civilization and Christianity. It is more universally, than it once was, a conviction, that Christianity is the religion of social and civilized man. Instead of relying much on the hope of the conversion of adult hunting and warrior savages, the effort is chiefly directed towards the young. Schools, the loom, the anvil, the plough, are sent to them. Amidst the comfort, stability and plenty of cultivation, they are to be imbued with a taste for our institutions, arts, industry and religion, at the same time.— Every benevolent man will wish these efforts of benevolence all possible success.

MONUMENTS. The tumuli, or mounds of the western country, are first seen on the southern shores of lake Erie. We trace them through the western parts of New York. We find them increasing in numbers and size in the state of Ohio. They are seen thence, with more or less frequency, over all the valley; and from Humboldt we learn, that mounds of a similar character abound in Mexico. If

so much had not been already written upon the subject, we should hold it idle to detain the reader a moment, in useless dissertation upon the question, by whom these mounds were formed, and for what purposes? As every opinion on the point must rest entirely upon conjecture, without the slightest rational element, on which to found it, we shall discover at once, that such dissertations could throw no certain light on the subject. Whether the mass of them was constructed for fortifications, observatories, temples, or tombs, it is hopeless to enquire. That some of them served for the last purpose, we have the conclusive evidence, that they abound in human bones. It has been often asserted, that some of the mounds are full of bones, that are perforated, as though the living subjects were slain in battle; and that the skeletons are heaped together in promiscuous confusion, as if buried after a conflict, without order or arrangement. The bones, which we have seen, were such, and so arranged, as might be expected in the common process of solemn and deliberate inhumation. The mounds show no more art, though infinitely more labor, than might be expected from the present Indians. They are mere erections of earth, exhibiting no other trace of skill, than that most of them are of regular forms, contained under circular or right lines. Iron tools were not used in the formation of them. Stone makes no part of them. Yet many of the squares and parallelograms make a much more conspicuous figure, after the lapse of unknown ages, than the defences of earth, thrown up on the Atlantic shore, during the revolutionary war.

Some of them are said to be found on hills. We have seen none such. They are generally on fertile wooded bottoms, plains, or the richer alluvial prairies, where wild fruits, game and fish are abundant and at hand. The most dense ancient population existed precisely in the

places, where the most crowded future population will exist in the generations to come. The appearance of a series of mounds generally indicates the contiguity of rich and level lands, easy communications, fish, game, and the most favorable adjacent positions. The only circumstance, which strongly discredits their having been formed by the progenitors of the present Indians, is the immensity of the size of some of them, beyond what could be expected from the sparse population and the indolence of the present race. We know of no monuments, which they now raise for their dead, that might not be the work of a few people in a few days. We have seen mounds, which would require the labor of a thousand of the men employed on our canals, with all their mechanical aids, and the improved implements of their labor for months. We have, more than once, hesitated in view of one of these prodigious mounds, whether it were not really a natural hill. But they are uniformly so placed, in reference to the adjoining country, and their conformation is so unique and similar, that no eye hesitates long in referring them to the class of artificial erections. The largest, that has been discovered in the Ohio valley, as far as we know, is in the bottom of Grave creek, near its entrance into the Ohio, and fourteen miles below Wheeling. It is between thirty and forty rods in circumference at its base, with a proportionate diameter. It is seventy feet in perpendicular height; and has a table area on its summit, which is sixty feet in diameter, in the centre of which is a great and regular concavity. A single white oak rises from this concavity, like a flag staff.

The most numerous group of mounds, that we have seen, is near Cahokia, in the American bottom. There are said to be two hundred in all. The largest is on the banks of Cahokia creek. Its form is that of a parallelo-

gram. Its circumference is commonly given at eight hundred yards, and its height at ninety feet. There is a terrace on the south side of it. The monks of La Trappe had a monastery adjoining it, and their garden was on the terrace. They cultivated the mound. The earth could not have furnished them a place, more in keeping with their profession and avowed objects. In the midst of the American bottom, perhaps the most fertile spot on the globe, exerting its exhaustless fertility only in the production of dense forest, or a useless luxuriance of weeds and flowers, all in view of their dwelling is a solitary prairie. A few dreaming men, vowed to perpetual silence, apparently belonging more to another world, than this, seat themselves on one of these lonely and inexplicable monuments of generations, that are now no more, in the midst of gigantic weeds, gaudy flowers, and rank grass.—No noise disturbs them, by day or night, but the chirping of the grasshoppers, or the cry of wolves, or the hooting of owls.

There are very interesting mounds near St. Louis, a little north of the town. Some of them have the aspect of enormous stacks. That one of them, called the 'falling garden,' is generally pointed out, as a great curiosity.—One of these mounds, and it was a very striking one, was levelled in the centre of Chillicothe. In digging it down, it is said, there were removed cart loads of human bones. The town of Circleville, in Ohio, is principally laid out within the limits of a couple of contiguous mounds; the one circular, the other square. The town has its name from its position, chiefly in the circular mound. In this, and in many other mounds, the singular circumstance is said to exist, and by people, who live near them, and ought to know that, of which they affirm, that the earth, of which they are composed, is entirely distinct from that in the

vicinity. It is of no avail to enquire, why the builders should have encountered the immense toil, to bring these hills of earth from another place?

Our country has been described abroad, as sterile of moral interest. We have, it is said, no monuments, no ruins, none of the colossal remains of temples, and baronial castles, and monkish towers; nothing to connect the imagination and the heart with the past; none of the dim recollections of times gone by, to associate the past with the future. We have not travelled in other lands. But in passing over our vast prairies, in viewing our noble and ancient forests, planted by nature, and nurtured only by ages; when we have seen the sun rising over a boundless plain, where the blue of the heavens in all directions touched, and mingled with the verdure and the flowers; when our thoughts have traversed rivers of a thousand leagues in length; when we have seen the ascending steam boat breasting the surge, and gleaming through the verdure of the trees; when we have imagined the happy multitudes, that from these shores will contemplate this scenery in the days to come; we have thought, that our great country might at least compare with any other, in the beauty of its natural scenery. When, on an uninhabited prairie, we have fallen at nightfall upon a group of these mounds, and have thought of the masses of human bones, that moulder beneath; when the heart and the imagination evoke the busy multitudes, that here 'strutted through life's poor play,' and ask the phantoms who and what they were, and why they have left no memorials, but these mounds; we have found ample scope for reflections and associations of the past with the future. We should not highly estimate the mind, or the heart of the man, who could behold these tombs of the prairies without deep thought.

These regions bear ample testimonials, of another sort, of a world gone by. Beside the human skeletons, found in the nitre caves, and at the Maramec, of which we shall have occasion to speak in another place, there are found at the licks, and, as habitation and cultivation bring us more acquainted with what is concealed beneath the soil, over all the valley, masses of bones of animals of enormous size, to which the name of mammoth and megalonyx have been given. A ship's cargo could easily be furnished.—The bones of animals of different classes, forms and sizes from any that are now known to exist, and different, too, from the mammoth, are discovered in the same places with these huge remains. While we are writing, they are exhibiting at New Orleans the bones of an animal, to which the mammoth itself must have been a pigmy, found near Plaquemine, on the Mississippi, below that city.—They have been asserted, and denied to be the bones of a whale. A diligent and unwearied antiquarian, in the state of Ohio, affirms, that he has discovered, in laying open the earth in his geological examinations, the wood and the leaves of the bread-fruit tree, and other vegetable tropical remains. Whatever credit this opinion may receive, all admit, that every part of the Mississippi valley is marked with monuments of immense and inexplicable changes in the natural world, and of races of animals and men, that are now no more.

PRESENT POPULATION. The progress of the population of this country, as every one knows, is without any example or parallel in the records of other colonies, in ancient or modern times; not excepting even the annals of the advancement of the Atlantic country. We can remember, when all this country, except the ancient French colonies in it, was an unknown and an unpeopled wilderness. The

first settlers encountered incredible hardships and dangers. But only open before Americans a fertile soil, and a mild climate, and their native enterprize, fostered by the stimulant effect of freedom and mild laws, will overcome every impediment. Sickness, solitude, mountains, the war-whoop, the merciless tomahawk, wolves, and panthers, and bears, dear and distant homes, forsaken for ever, will come over their waking thoughts, and revisit their dreams in vain, to prevent the young, florid and unportioned pair from scaling remote mountains, descending long rivers, and finally selecting their spot in the forests, consecrating their solitary cabin with the dear and sacred name of home, and there rearing a family.

The following synoptical view will show, in a few words, the astonishing advance of this population. In 1790, the population of this valley, exclusive of the country west of the Mississippi, and of Florida, which were not then within our territorial limits, was estimated, by enumeration, at little more than 100,000. In 1800, it was something short of 380,000. In 1810, it was short of a million. In 1820, including the population west of the Mississippi, rating the population of Florida at 20,000, and that of the parts of Pennsylvania and Virginia included in this valley at 300,000, and it will give the population of 1820 at 2,500,000. It will be perceived, that this is an increase, in more than a duplicate ratio, in ten years.

Some considerable allowance must be made, of course, for the flood of immigration, which can not reasonably be expected to set this way, for the future, as strongly as it has for the past. There is no doubt, however, that Ohio, with the largest and most dense population of any of the western states, will have double the number of inhabitants, by the census of 1830, which she had by that of 1820.—During that interval, her gain by immigration will not

equal her loss by emigration; and, of course, will be simply that of natural increase. In the rapidity of this increase, we believe, this state not only exceeds any other in the West, but in the world. It is the good natured jest of all, who travel through the western states, that, however productive in other harvests, they are still more so in an unequalled crop of flaxen headed children; and that 'this is the nobler growth our realms supply.' The population of this valley at the next census, will no doubt, exceed four millions. It will have by a million, more inhabitants, than the thirteen good old United States, when, at the commencement of the revolutionary war, they threw down the gauntlet in the face of the parent country, then the most powerful empire on the globe.

Notwithstanding the impression, so generally entertained in the Atlantic country, that this valley is universally unhealthy, and notwithstanding the necessary admission, that fever and ague is prevalent to a great and an annoying degree, the stubborn facts, above stated, demonstrate, beyond all possibility of denial, that no country is more propitious to increase by natural population. Wherever the means of easy, free and ample subsistence are provided, it is in the nature and order of human things, that population should increase rapidly. In such a country, though some parts of it should prove sickly, perseverance will ultimately triumph over even this impediment, the most formidable of all. In that fertile region, for the insalubrious districts are almost invariably those of the highest fertility, immigrants will arrive, become sickly, and discouraged; and, perhaps, return with an evil report of the country. In the productive and sickly sections of the south, allured by its rich products, and its exemption from winter, adventurers will successively arrive, fix themselves, become sickly, and it may be, they will die. Others, last-

ing for gain, and with that recklessness to the future, for wise ends awarded us by Providence, and undismayed by the fate of those who have preceded them, will replace them. By culture, draining, the feeding of cattle, and the opening the country to the fever-banishing breeze, the atmosphere is found gradually to meliorate. The inhabitants, taught by experience and suffering, come by degrees to learn the climate, the diseases, and preventives; and a race will finally stand, which will possess the adaptation to the country, which results from acclimation: and even these sections are found, in time, to have a degree of natural increase of population with the rest. Such has proved to be the steady advance of things in the sickliest points of the south. The rapidity of our increase in numbers multiplies the difficulties of subsistence, and stimulates and sharpens the swarming faculties and propensities in the parent hive, and will cause, that in due lapse of time and progress of things, every fertile quarter section in this valley will sustain its family.

Another pleasant circumstance appended to this view is, that almost the entire population of the valley are cultivators of the soil. The inhabitants of crowded towns and villages, the numerous artizans and laborers in manufactories, can neither be, as a mass, so healthy, so virtuous, or happy, as free cultivators of the soil. The man, whose daily range of prospect is dusty streets, or smoky and dead brick walls, and whose views become limited by habit to the enclosure of those walls; who depends for his subsistence on the daily supplies of the market; and whose motives to action are elicited by constant and hourly struggle and competition with his fellows; will have the advantage in some points over the secluded tenant of a cabin, or a farm house. But still, taking every thing into the calculation, we would choose to be the owner of half a

section of land, and daily contemplate nature, as we tilled the soil, aided in that primitive and noble employment by our own vigorous children. The dweller in towns and villages may have more of the air and tone of society, and his daughters may keep nearer to the changes of the fashions. But we have little doubt, that, in striking the balance of enjoyment, the latter will be found to be the happier man, and more likely to have a numerous and healthy family. The people of the West, with very small deductions, are cultivators of the soil. All, that are neither idle, nor unable to labor, have a rural abundance of the articles which the soil can furnish, far beyond the needs of the country; and it is one of our most prevalent complaints, that this abundance is far beyond the chances of profitable sale.

Ohio has, palpably, more of the northern propensity to form villages, and condense population, than any other of the western states. Of course, her people have a readier aptitude for an artizan's life, and a manufacturer's condition. We suppose, that at least the half of the manufacturers of the West inhabit the region, of which Pittsburg and the state of Ohio are the centre. Her sons, too, have the New England aspiration to become scholars, and professional men, and merchants and traders. Kentucky and Ohio send abroad their circulating phalanxes of this kind of foragers, to compete with the Yankees for the professions and trade of the more western states. In Ohio this class bears by far the greatest proportion to the cultivators, of any part of the valley. Yet in Ohio, from the the returns of the very accurate census of 1820 in this state, it appears, that out of a population of nearly 600,000, there were only 18,956 manufacturers, and 1,459 merchants and traders. Thus it appears, that nearly twenty-nine out of thirty of this whole population were engaged in agriculture.

It would require a separate and distinct article, if we were to trace the influence of slavery upon population and improvement. This discussion, too, would more properly fall under the head of an article, presenting a contrasted view of the condition and progress of the slave holding, compared with the non-slave holding states. It is sufficient for our present purposes to remark, that with the exception of some districts that are particularly sickly, the blacks increase still more rapidly than the whites.

From the general fertility of the soil, and the abundance with which it yields all the supplies of life; from the comparative rareness and small proportion of sterile, mountainous and marshy lands, that can not be easily brought into cultivation; no thinking mind can have failed to foresee, that this country must and will ultimately sustain a great and dense population of farmers. Taking into view soil, climate, and the means of easy communication, the most material and natural elements upon which to calculate, in regard to future increase of population, and no country can be found, which invites increase more strongly, than ours. In half a century, the settled parts of it will, probably, have become as healthy as any other country. In that lapse of time, it can hardly be sanguine to calculate, that by improving the navigation of the existing rivers, by the numerous canals which will be made, in aid of what nature has already done, in a region where there are no mountains, and few high hills, and no intermixture of refractory granite; where the rivers, which rise almost in the same level, interlock, and then wind away in opposite directions; where, from these circumstances, and the absence of granite hills, canals can be made with comparative ease; that the country will be permeated in every direction, either by steam boats, or sea vessels towed by them, or by transport conducted by rail-road power. * No

country, it is generally supposed here, can be found, which contains so great a proportion of cultivable and habitable land, compared with the whole extent of its surface.—Humboldt, so well qualified to judge by comparison, has pronounced it the largest valley in the world. It has a less proportion of swamps, sterile plains, and uncultivable mountains, than any other region of the same extent.—When it shall have been inhabited as long as Massachusetts and Virginia, what limits can imagination assign to its population and improvement?

☞ No one can fail to have foreseen, at this time of the day, that the period is not far distant, when the greater mass of the population of our country will be on this side the mountains. We would not desire, in anticipation, to vex the question, where the centre of our national government will then be? We are connected already with the Atlantic country by noble roads. We shall shortly be connected with the Hudson, Delaware and Chesapeake bays, by navigable canals. We already hear of the assumption, by individuals, of the stock of an association for the gigantic project of a rail-road between Baltimore and the Ohio. Our different physical conformation of country, and the moral circumstances of our condition, have assigned to us, as we think, agriculture, as our chief pursuit. Suppose manufactures to flourish among us to the utmost extent, which our most honest and earnest patriots could desire, and we should still, as we think, find ourselves bound by the ties of a thousand wants, to the country north and east of the mountains. The very difference of our physical and moral character contributes to form a chain of mutual wants, holding us to that region by the indissoluble tie of mutual interest. At present, the passage of the mountains, formerly estimated by the Atlantic people something like an India voyage, and not without its dangers, as well as

its difficulties, is no more, than a trip of pleasure of two or three days. We shall soon be able to sail, at the writing desk, or asleep, from New Orleans, fort Mandan, or Prairie du Chien, through the interior forests to the beautiful bay of New York. The time is not distant, when the travelled citizen of the other side the mountains will not be willing to admit, that he has not taken an autumnal or vernal trip of pleasure, or observation, from Pittsburg to New Orleans. The landscape painter and the poet will come among us, to study and admire our forest, river and prairie scenery, and to imbibe new ideas, from contemplating the grandeur and the freshness of our nature.

For us, as a people, we look over the mountains, and connect our affections with the parent country beyond, by the strong ties of natal attachment; for there, to the passing generation at least, was the place of their birth. There still live our fathers and our brethren. There are the graves of our ancestors; and there are all the delightful and never forgotten remembrances of our infancy and our boyhood. We have hitherto been connected to that country, by looking to it exclusively for fashions, models and literature. The connexion will remain, not as we hope, a slavish one; for duty, interest and self-respect imperiously call upon us to set up for ourselves, in these respects, as fast as possible. But as younger members of the family, thrust into the woods, to give place to those, who had the rights of primogeniture, and obliged to find our subsistence by cutting down the trees, we have as yet had but little leisure to think of any thing, beyond the calls of necessity, and the calculations of immediate interest and utility. As soon as we have the leisure for higher purposes, we shall be unworthy of our family alliance, if we do not immediately institute a friendly rivalry in these respects, which will be equally honorable and

useful for each of the parties. We know our rights, and we are able to maintain them. It is only the little minded and puny, that allow themselves to indulge in a causeless and fretful jealousy. There must be a real, palpable and continued purpose to undervalue us, and curtail our rights, and arrest our advancement and prosperity, before we would allow ourselves to remember our great chain of mountains, and our world by itself. Our patriotism has been tampered with, more than once, even in our infancy. We came forth with honor from every trial. Every link of the golden, and, we hope, perpetual chain of the union, will be grasped as firmly by the citizens of the West, as of the Atlantic. We flatter ourselves, that we have had uncommon chances to note the scale of the western thermometer, in this respect. We have every where seen and felt a spirit, which has given us the assurance of conviction, that the popularity of that demagogue would be blasted, and would wither forever, who should for a moment manifest the remotest incipient wish to touch the chain of this union with an unhallowed hand. The interests and affections of the western people hold to that, as strongly, and as proudly, to say no more, as those of the East. From time to time demagogues will spring up, and atrocious and unprincipled editors will be found, to meditate any thing,—and to dare to inculcate, and write, and publish what they meditate. But the strength and virtue of the community will never bear them out.

Wherever attempts may be made to disaffect, alienate and sever one section of this great union from the rest, may God avert the omen! that attempt will not commence with us. They may reproach us with being rough, untrained, and backwoods men. But as a people we are strong for the union, and the whole union. Every true son of the West will join in the holiest aspirations, '*esto*

perpetua. May it last us long as the sun and moon shall endure! 7

NATIONAL CHARACTER OF THE WESTERN PEOPLE. We shall remark upon the character of the French part of our population in describing Louisiana and Missouri, where the greater portion of that people is found. We shall remark upon the distinctive character of the people of Kentucky, in giving the geography of that state. We only wish to catch here, if possible, the slight, but perceptible peculiarities of national character, which our peculiar circumstances and condition have imposed upon us.

The people of this valley are as thorough a combination and mixture of the people of all nations, characters, languages, conditions and opinions, as can well be imagined. Scarcely a state in the Union, or a nation in Europe, but what has furnished us immigrants. Philosophers and noblemen have visited us from beyond the seas; some to study our natural history, or to contemplate a new people rising from the freshness of nature, over the fertile ruins of a once submerged world; or deluded here by the pastoral dreams of Rousseau, or Chateaubriand; or, in the sample of the savages, to study man in a state of nature.

The much greater proportion of the immigrants from Europe are of the poorer classes, who come here from hunger, poverty, oppression, and the grinding vassalage of crowded and miserable tenants of an aristocratic race, born to the inheritance of the soil, and all the comforts and hopes of present existence. They find themselves here with the joy of shipwrecked mariners, cast on the untenanted woods, and instantly become cheered with the nerving hope of being able to build up a family and a fortune from new elements. *'The north has given to us,*

and the south has not kept back. The puritan and the planter, the German and the Irishman, the Briton and the Frenchman, each with their peculiar prejudices and local attachments, and all the complicated and interwoven tissue of sentiments, feelings and thoughts, that country, and kindred, and home, indelibly combine with the web of our youthful existence, have here set down beside each other. The merchant, mechanic and farmer, each with their peculiar prejudices and jealousies, have found themselves placed by necessity in the same society. Mr. Owen's grand engine of circumstances begins to play upon them. Men must cleave to their kind, and must be dependent upon each other. Pride and jealousy give way to the natural yearnings of the human heart for society. They begin to rub off mutual prejudices. One takes a step, and then the other. They meet half way, and embrace; and the society, thus newly organized and constituted, is more liberal, enlarged, unprejudiced, and of course more affectionate and pleasant, than a society of people of *unique* birth and character, who bring all their early prejudices, as a common stock, to be transmitted as an inheritance in perpetuity.

The rough, sturdy and simple habits of the backwoods men, living in that plenty, which depends only on God and nature, and being the preponderating cast of character in the western country, have laid the stamina of independent thought and feeling deep in the breasts of this people. A man accustomed only to the fascinating, but hollow intercourse of the polished circles in the Atlantic cities, at first feels a painful revulsion, when mingled with this more simple race. But he soon becomes accustomed to the new order of things, and if he have a heart to admire simplicity, truth and nature, begins to be pleased with it. He respects a people, where a poor, but honest man enters

the most aristocratic mansion with a feeling of ease and equality.

It may readily be supposed, that among such an infinite variety of people, so recently thrown together, and scarcely yet amalgamated into one people, and in a country, where the institutions are almost as fresh and simple as the log houses, any very distinctive national character could hardly yet be predicated of the inhabitants. Every attentive observer, however, discriminates the immigrants from the different nations, and even from the different states of our own country. The people of Ohio and Indiana, for example, have a character somewhat distinct from that of the other western states. That of the former, especially, is modelled, as a very fair sample of the New England and New Jersey patterns. In the latter this character is blended, not merged with the manners, opinions and dialect of Kentucky. Illinois, though a free state, has a clear preponderance of Kentucky nationality. Kentucky, Tennessee, Missouri, the upper part of Alabama, and all Arkansas, have distinct manners, in which the nationality of Kentucky is the ground color. The country still more south, peopled with large planters of cotton and sugar cane, with numerous gangs of slaves, have the peculiar manners, that have naturally grown out of their condition. On these states, too, especially on Louisiana, we begin to discern the distinct impress and influence of French temperament and manners. These shades of difference are very distinctly visible to persons, who have been long and intimately acquainted with the people of the different regions where they are marked.

But young as the country is, variously constituted and combined, as are the elements of its population, there is already marked, and it is every year more fully developed, a distinctive character of the western people. A traveller

from the Atlantic cities, and used only to their manners, descending from Pittsburg, or Wheeling, the Ohio and the Mississippi in a steam boat of the larger class, will find on board, what may be considered fair samples of all classes in our country, except the farmers. To become acquainted with the younger representatives of the yeomanry, he must acquaint himself with the crews of the descending flat boats. Sufficiently copious specimens of the merchants and traders, the artizans, the large planters, the speculators, and last, though not least, the ladies, will be seen on board the different steam boats descending to New Orleans or on their return voyage. The manners, so ascertained, will strike such a traveller as we have supposed, with as much of novelty, distinctness, and we may add, if he be not bigotted and fastidious, with as much pleasure, saving the language, as though he had visited a country beyond the seas. The dialect is different. The enunciation is different. The peculiar and proverbial colloquy is different. The figures and illustrations, used in common parlance, are strikingly different. We regret, that fidelity to our picture, that frankness and truth compel us to admit, that the frequency of profanity and strange curses is ordinarily an unpleasant element in the conversation. The speaking is more rapid. The manner has more appearance of earnestness and abruptness. The common comparisons and analogies are drawn from different views and relations of things. Of course he is every moment reminded, that he is a stranger among a people, whose modes of existence and ways of thinking are of a widely different character from those in the midst of which he was reared.

Although we have so often been described to this traveller, as backwoods men, gougiers, ruffians, demi-savages, a repulsive mixture, in the slang phrase, of the 'horse and

the alligator,' we confidently hazard the opinion, that when a little accustomed to the manners of the better class of people among us, he will institute a comparison between our people and his own, not unfavorable to us. There is evidently more ease and frankness, more readiness to meet a wish to form an acquaintance, sufficient tact, when to advance, and how far, and where to pause in this effort, less holding back, less distrust, less feeling as if the address of a stranger were an insult, or a degradation. There is inculcated and practised on board the steam boats a courtesy to ladies, which is delightful in its proper extent; but which is here, sometimes, apt to overstep the modesty of nature, in the affectation of a chivalrous deference, which would be considered misplaced, or ridiculous, on the Atlantic shores. A series of acquaintances are readily and naturally formed between fellow passengers, in their long descents to New Orleans, very unlike the cold, constrained, and almost repelling and hostile deportment of fellow passengers in the short stage and steam boat passages in the Atlantic country. They are very different from the intimacies of fellow passengers in crossing the Atlantic, and infinitely more pleasant. Putting out of the question ennui, sea sickness, and the constant rolling of the vessel, circumstances so unpropitious to the desire of pleasant intercourse, custom has prescribed a state and distance on shipboard, which cause, that cabin passengers often cross the ocean together, without acquiring any thing more than speaking intimacy at the end of the voyage. Not so on these passages, where the boat glides steadily and swiftly along the verge of the fragrant willows. The green shores are always seen with the same *coup d'œil*, that takes in the magnificent and broad wave of the Mississippi. Refreshments come in from the shore. The passengers every day have their promenade. The claims of prescription

on the score of wealth, family, office, and adventitious distinctions of every sort, are laid aside, or pass for nothing. The estimation, the worth and interest of a person are naturally tried on his simple merits, his powers of conversation, his innate civility, his capacities to amuse, and his good feelings.

The distinctive character of the western people may be traced in its minuter shades to a thousand causes, among which are not only their new modes of existence, the solitary lives which they, who are not inhabitants of towns, lead in remote and detached habitations, for the greater part of the time, and the greater aptitude and zest, which they will naturally have, when thus brought together, as we have described above, to enjoy society; but it chiefly results from the unchangeable physical formation of the country. For instance, it has been remarked, that the inhabitants of the western country, when thrown upon the blue water, are sailors almost at once. Their long inland water courses, at once the channels of conveyance and communication, place them in primary nautical schools, train them to familiar acquaintance with all the methods of managing and propelling water crafts, and naturally conduct their thoughts from their interior forests, and their rural and secluded abodes, down to the ocean. The skill and facility, thus acquired, in being familiar with the movements of the canoe, the periogue and skiff, almost from the days of infancy, give them the same dexterity and daring on the ocean, when they are at length wafted down to its tempestuous bosom, with those who were reared on the shores of that element. But an inhabitant of the Atlantic shore can have but a faint conception of the sublime emotions with which a young man, reared in the silence and seclusion of the western forests, first beholds the illimitable extent of the 'broad, flat sea.' Every intelligent and

gifted son of the West will be a poet for the first few hours of his sailing on the ocean, if sea sickness do not banish the visitings of the muse.

Their forests and prairies concur with their inclinations and abundant leisure, to give them the spirit-stirring and adventurous habits of the chase. Their early training to leave the endearments and the maternal nursing of home, for an absence of three or four months, on voyages of constant exposure, and often of a length of more than five hundred leagues, will naturally tend to create a character, widely unlike the more shrinking, stationary and regular habits of the people of the older country. Multitudes, perhaps the majority of those in the middle walks of life in the Atlantic country, never extend their travels beyond their metropolis, or their chief mart. Every part of the middle and northern states is traversed in every direction by fine roads, on which are continually passing great numbers of stage coaches. In the West, all this is entirely different. There are roads, indeed, some of which nature, and but a very few, art, has rendered tolerably passable. But the passing on them, even in the most populous districts is very limited. The passages are seldom more than from village to village, settlement to settlement, and for the most part subservient to arriving at the real roads, the great turnpikes of the West, her long rivers.

These rivers, which bound or intersect every state in the West, are of a character entirely unlike most of those, which flow east of the mountains. They are narrow, deep, and to a person used only to the rivers of the East, and judging them by comparison and by their width, of an inconceivable length of course. Their depth of water resulting from the narrowness of their channels, and the level and alluvial country, through which for the most part they flow, render them almost universally susceptible of

steam boat, or at least boat navigation. The instance of a young man of enterprize and standing, as a merchant, trader, planter, or even farmer, who has not made at least one trip to New Orleans, is uncommon. From the upper and even middle western states, before the invention of steam boats, it was a voyage of long duration, and we may add, of more peril, than a voyage across the Atlantic. These rivers are still descended, as before that invention, in boats of every description. In making the descent from Pittsburg to Natchez, last autumn, in an uncommonly low stage of the waters, we noted between two and three hundred descending boats, of different descriptions, and of the larger class. The greater portion, however, were flat and keel boats. Almost all the crews, that descend on these boats, return on steam boats. An ascending steam boat carries from one to three hundred passengers; and the average trip from New Orleans to Louisville, or St. Louis, may be twelve days, and to Cincinnati thirteen. Every principal farmer, along the great water courses, builds, and sends to New Orleans the produce of his farm in a flat boat.—Thus a great proportion of the males of the West, of a relative standing and situation in life, to be most likely to impress their opinions and manners upon society, have made this passage to New Orleans. They have passed through different states and regions, have been more or less conversant with men of different nations, languages and manners. They have experienced that expansion of mind, which can not fail to be produced by traversing long distances of country, and viewing different forms of nature and society. Every boat, that has descended from Pittsburg, or the Missouri, to New Orleans, could publish a journal of no inconsiderable interest. The descent, if in autumn, has probably occupied fifty days. Until the boatmen had passed the mouth of the Ohio, they must

have been in some sense amphibious animals, continually getting into the water, to work their boat off from shoals and sandbars. The remainder of the descent was amidst all the dangers of sawyers, sandbars, snags, storms, points of islands, wreck heaps, difficulty and danger of landing, and a great many anomalous trials and dangers. The whole voyage is a scene of anxiety, exposure and labor.

It follows, that the habits of the whole people of the West must as necessarily receive a peculiar bent and impulse, as those of Marblehead, cape Cod, and Nantucket, in Massachusetts. The influence of these causes is already visibly impressed upon the manners and thoughts of the people. They are the manners of people accustomed, on going on board a steam boat, to see it fitted up with a glaring of splendor and display, perhaps not always in the best taste, but peculiarly calculated to captivate and dazzle the youthful eye. They come to this crowded scene of gaiety and splendor, this little moving city, from the solitudes of forests and prairies, and remote dwellings. They find themselves amidst a mass of people, male and female, dressed as much as their means will allow. There are cards, and wine, and novels, and young and gay people, and all conceivable artificial excitements, to stir up the youthful appetite for hilarity. When we consider what temptations these long and necessarily intimate associations present to minds, often not much regulated by religious discipline, or example, to undue gaiety, gallantry, intoxication and gambling, it is as surprising, as it is honorable to the character of the West, that these voyages are generally terminated in so much quietness, morality and friendship.

It is true, the gay, the young, dashing and reckless spirits of the community are thus brought in contact, to act, and re-act upon each other and society. But there

are always some graver spirits on the steam boats, whose presence inspires a certain degree of awe and restraint.—A keen sense of the necessity of strong and unvarying regulations has created rigid rules, at least upon the better of them, for regulating the temporary intercourse on board the steam boats; and on the whole, there is an air of much more decorum and quietness, than could be inferred from knowing the circumstances of these temporary associations.

In tracing the result of these effects, we discover, that the idea of distance is very different in the head of a west country man from the same idea, as entertained by the inhabitant of Lancaster in Pennsylvania, or Worcester in Massachusetts. The conversation of the former indicates, that his train of thinking is modelled by images drawn from great distances on long rivers, from extensive trips on steam boats, long absence from home, and familiarity with exposure, and the habit of looking danger and death in the face. Were it not foreign to the objects of this article, a thousand amusing examples could be given. The vocabulary of figures drawn from boats and steam boats, the phrases, metaphors, allusions, that grow out of the peculiar modes of life of this people, are at once amusing, singular and copious. The stump speech of a western aspirant for the favors of the people has a very appropriate garnish from this vocabulary, and compared with that of an Atlantic demagogue, would finely illustrate his peculiar modes of thinking.

The point most to our purpose in these remarks is, to enquire what influence this, and other great operating causes have upon the character, manners and morals of the people? It must be admitted, that while these frequent trips up and down the river, and more than all to New Orleans, give to the young people, and those who

impart authority, impulse and tone to fashion and opinion, an air of society, ease and confidence; the young are apt at the same time to imbibe from the contagion of example, habits of extravagance, dissipation, and a rooted attachment to a wandering life.

RELIGIOUS CHARACTER OF THE WESTERN PEOPLE. An experiment is making in this vast country, which must ultimately contain so many millions of people, on the broadest scale on which it has ever been made, whether religion, as a national distinction of character, can be maintained without any legislative aid, or even recognition by the government. If there be any reference to religion, in any of the constitutions and enactments, in the western country, beyond the simple, occasional granting of a distinct incorporation, it manifests itself in a guarded jealousy of the interference of any religious feeling, or influence with the tenor of legislation. In most of the constitutions, ministers of the gospel are expressly interdicted from any office of profit or trust, in the gift of the people. In none of the enactments are there any provisions for the support of any form of worship whatever. But if it be inferred from this, that religion occupies little or no place in the thoughts of the people, that there are no forms of worship, and few ministers of the gospel, no inference can be wider from the fact. It is the settled political maxim of the West, that religion is a concern entirely between the conscience and God, and ought to be left solely to his guardianship and care. The people are generally averse to binding themselves by any previous legal obligation to a pastor for services stipulated to be performed. It is the general impression, that he ought to derive his support from voluntary contributions, after services performed, and uninfluenced by any antecedent contract or understanding. There

are many towns and villages, where other modes prevail; but such is the general standing feeling of the West.

Hence, except among the Catholics, there are very few settled pastors, in the sense in which that phrase is understood in New England and the Atlantic cities. Most of the ministers, that are in some sense permanent, discharge pastoral duties not only in their individual societies, but in a wide district about them. The range of duties, the emolument, the estimation, and in fact the whole condition of a western pastor, are widely different from an Atlantic minister. In each case, there are peculiar immunities, pleasures and inconveniencies, growing out of the differences of condition. We do not undertake to balance the advantages in favor of either. It has been an hundred times represented, and in every form of intelligence, in the eastern religious publications, that there were few preachers in the country, and that whole wide districts had no religious instruction, or forms of worship whatever. We believe, from a survey, certainly very general, and, we trust, faithful, that there are as many preachers, in proportion to the people, as there are in the Atlantic country. A circulating phalanx of Methodists, Baptists and Cumberland Presbyterians, of Atlantic missionaries, and of young elites of the Catholic theological seminaries, from the redundant mass of unoccupied ministers, both in the Protestant and Catholic countries, pervades this great valley with its numerous detachments, from Pittsburg, the mountains, the lakes, and the Missouri, to the gulf of Mexico. They all pursue the interests of their several denominations in their own way, and generally in profound peace.

It is true, a serious mind can not fail to observe with regret, the want of the permanent and regular moral influence of settled religious institutions. The regular 'church going bell,' to our ear, such a delightful peal on the sab-

bath, is not heard with the recurrence of that day; and there is something of tranquil sobriety, of elevated and just notions of morals, the influence of which is so immediately felt in a country, where regular worship prevails; that, in the more unsettled districts of this country, is felt as a painful privation. But if we except Arkansas and Louisiana, there is every where else an abundance of some kind of preaching. The village papers on all sides contain printed notices, and written ones are affixed to the public places, notifying what are called 'meetings.' A traveller in a clerical dress does not fail to be asked, at the public houses, where he stops, if he is a preacher, and if he wishes to notify a meeting.

There are stationary preachers in the towns, particularly in Ohio. But in the rural congregations through the western country beyond Ohio, it is seldom that a minister is stationary for more than a few months. A ministry of a year in one place may be considered beyond the common duration. Nine tenths of the religious instruction of the country is given by people, who itinerate, and who are, with very few exceptions, notwithstanding all that has been said to the contrary, men of great zeal and sanctity. These earnest men, who have little to expect from pecuniary support, and less from the prescribed reverence and influence, which can only appertain to a stated ministry, find, at once, that every thing depends upon the cultivation of popular talents. Zeal for the great cause, mixed, perhaps, imperceptibly, with a spice of earthly ambition, and the latent emulation and pride of our natures, and other motives, which unconsciously influence, more or less, the most sincere and the most disinterested, the desire of distinction among their cotemporaries and their brethren, and a reaching struggle for the fascination of popularity, goad them on to study all the means and arts of winning

the people. Travelling from month to month through dark forests, with such ample time and range for deep thought, as they amble slowly on horseback along their peregrinations, the men naturally acquire a pensive and romantic turn of thought and expression, as we think, favorable to eloquence. Hence the preaching is of a highly popular cast, and its first aim is to excite the feelings.— Hence, too, excitements, or in religious parlance ‘awakenings,’ are common in all this region. Living remote, and consigned the greater part of the time, to the musing loneliness of their condition in the forests, or the prairie; when they congregate on these exciting occasions, society itself is to them a novelty, and an excitement. The people are naturally more sensitive and enthusiastic, than in the older countries. A man of rude, boisterous, but native eloquence, rises among these children of the forest and simple nature, with his voice pitched upon the tones, and his utterance filled with that awful theme, to which every string of the human heart every where responds; and while the woods echo his vehement declamations, his audience is alternately dissolved in tears, awed to profound feeling, or falling in spasms. This country opens a boundless theatre for strong, earnest and unlettered eloquence; and the preacher seldom has extensive influence, or usefulness, who does not possess some touch of this character.

These excitements have been prevalent, within the two past years, in the middle western states; chiefly in Tennessee, and for the most part under the ministry of the Cumberland Presbyterians. Sometimes it influences a settlement, or a town; and sometimes, as there, spreads over a state. The people assemble, as to an imposing spectacle. They pour from their woods, to hear the new preacher, whose fame has travelled before him. The

preaching has a scenic effect. It is a theme of earnest discussion, reviewing, comparison, and intense interest.

None, but one who has seen, can imagine the interest, excited in a district of country, perhaps, fifty miles in extent, by the awaited approach of the time for a camp meeting; and none, but one who has seen, can imagine how profoundly the preachers have understood what produces effect, and how well they have practised upon it. Suppose the scene to be, where the most extensive excitements and the most frequent camp meetings have been, during the two past years, in one of the beautiful and fertile valleys among the mountains of Tennessee. The notice has been circulated two or three months. On the appointed day, coaches, chaises, wagons, carts, people on horseback, and multitudes travelling from a distance on foot, wagons with provisions, mattresses, tents, and arrangements for the stay of a week, are seen hurrying from every point towards the central spot. It is in the midst of a grove of those beautiful and lofty trees, natural to the valleys of Tennessee, in its deepest verdure, and beside a spring branch, for the requisite supply of water.

The ambitious and wealthy are there, because in this region opinion is all-powerful; and they are there, either to extend their influence, or that their absence may not be noted, to diminish it. Aspirants for office are there, to electioneer; and gain popularity. Vast numbers are there from simple curiosity, and merely to enjoy a spectacle. The young and the beautiful are there, with mixed motives, which it were best not severely to scrutinize. Children are there, their young eyes glistening with the intense interest of eager curiosity. The middle aged fathers and mothers of families are there, with the sober views of people, whose plans in life are fixed, and waiting calmly to hear. Men and women of hoary hairs are there, with

such thoughts, it may be hoped, as their years invite.—Such is the congregation consisting of thousands.

A host of preachers of different denominations are there, some in the earnest vigor and aspiring desires of youth, waiting an opportunity for display; others, who have proclaimed the gospel, as pilgrims of the cross, from the remotest north of our vast country to the shores of the Mexican gulf, and ready to utter the words, the feelings and the experience, which they have treasured up in a traveling ministry of fifty years, and whose accents, trembling with age, still more impressively than their words, announce, that they will soon travel, and preach no more on the earth, are there. Such are the preachers.

The line of tents is pitched; and the religious city grows up in a few hours under the trees, beside the stream. Lamps are hung in lines among the branches; and the effect of their glare upon the surrounding forest is, as of magic. The scenery of the most brilliant theatre in the world is a painting only for children, compared with it. Meantime the multitudes, with the highest excitement of social feeling added to the general enthusiasm of expectation, pass from tent to tent, and interchange apostolic greetings and embraces, and talk of the coming solemnities. Their coffee and tea are prepared, and their supper is finished. By this time the moon, for they take thought, to appoint the meeting at the proper time of the moon, begins to show its disk above the dark summits of the mountains; and a few stars are seen glimmering through the intervals of the branches. The whole constitutes a temple worthy of the grandeur of God. An old man, in a dress of the quaintest simplicity, ascends a platform, wipes the dust from his spectacles, and in a voice of suppressed emotion, gives out the hymn, of which the whole assembled multitude can recite the words,—and an air, in which

every voice can join. We should deem poorly of the heart, that would not thrill, as the song is heard, like the 'sound of many waters,' echoing among the hills and mountains. Such are the scenes, the associations, and such the influence of external things upon a nature so 'fearfully and wonderfully' constituted, as ours, that little effort is necessary on such a theme as religion, urged at such a place, under such circumstances, to fill the heart and the eyes. The hoary orator talks of God, of eternity, a judgment to come, and all that is impressive beyond. He speaks of his 'experiences,' his toils and travels, his persecutions and welcomes, and how many he has seen in hope, in peace and triumph, gathered to their fathers; and when he speaks of the short space that remains to him, his only regret is, that he can no more proclaim, in the silence of death, the mercies of his crucified Redeemer.

There is no need of the studied trick of oratory, to produce in such a place the deepest movements of the heart. No wonder, as the speaker pauses to dash the gathering moisture from his own eye, that his audience are dissolved in tears, or uttering the exclamations of penitence. Nor is it cause for admiration, that many, who poised themselves on an estimation of higher intellect, and a nobler insensibility, than the crowd, catch the infectious feeling, and become women and children in their turn; and though they 'came to mock, remain to pray.'

Notwithstanding all, that has been said in derision of these spectacles, so common in this region, it can not be denied, that the influence, on the whole, is salutary, and the general bearing upon the great interests of the community, good. It will be long, before a regular ministry can be generally supported, if ever. In place of that, nothing tends so strongly to supply the want of the influence, resulting from the constant duties of a stated minis-

try, as the recurrence of these explosions of feeling, which shake the moral world, and purify its atmosphere, until the accumulating seeds of moral disease require a similar illustration again.

Whatever be the cause, the effect is certain, that through the state of Tennessee, parts of Mississippi, Missouri, Kentucky, Ohio, Indiana and Illinois, these excitements have produced a palpable change in the habits and manners of the people. The gambling and drinking shops are deserted; and the people, that used to congregate there, now go to the religious meetings. The Methodists, too, have done great and incalculable good. They are generally of a character, education and training, that prepare them for the elements, upon which they are destined to operate. They speak the dialect, understand the interests, and enter into the feelings of their audience. They exert a prodigious and incalculable bearing upon the rough backwoods men; and do good, where more polished, and trained ministers would preach without effect. No mind, but His, for whom they labor, can know, how many profane they have reclaimed, drunkards they have reformed, and wanderers they have brought home to God.

The Baptists, too, and the missionaries from the Atlantic country, seeing such a wide and open field before them, labor with great diligence and earnestness, operating generally upon another class of the community. The Catholics are both numerous and zealous, and, perfectly united in spirit and interest, form a compact phalanx, and produce the effect of moral union. From their united exertions it happens, that over all this country, among all the occasions for public gatherings, which, from their rareness excite the greater interest, religious meetings are by far the most numerous.

That part of Pennsylvania and Virginia west of the mountains has a predominance of Presbyterians. The great state of Ohio is made up of such mixed elements, that it would be difficult to say, which of all the sects prevails. As a general characteristic, the people are strongly inclined to attend on some kind of religious worship.—Presbyterians and Baptists strive for the ascendancy in Kentucky. Methodists and Cumberland Presbyterians are numerous. They, probably, have the ascendancy in Tennessee, and they are making great efforts in Alabama and Mississippi. Methodists are the prevailing denomination in Indiana, Illinois, Missouri, Arkansas, Mississippi and Alabama. Catholics have an undisputed ascendancy in Louisiana and Florida. They have many societies in Missouri and Illinois. They are prevalent in a portion of Kentucky, and have a respectable seminary at Bairdstown. Methodists, Presbyterians and Catholics are the prevailing denominations of the West.*

PURSUITS OF THE PEOPLE. Manufactures, &c. Western Pennsylvania is a manufacturing region, and along with Ohio, is the New England of the West. The people bring down the Alleghany, clear and fine pine plank; delivering them along the whole course of the Ohio, and sending great quantities even to New Orleans. These pines, of which the houses in New Orleans are finished, waved over the streams of New York, and are despatched in rafts and flat boats, after being sawed into plank, from Oleanne point. From the Monongahela is sent the rye whiskey, which is so famous in the lower country. On the Youghiogeny and Monongahela, at Connelsville on the former, and Brownsville on the latter, are important

* For table of religious sects, see Appendix, table No. VI.

manufactories, chiefly of iron. Pittsburg has been called the Birmingham of America; though that honor, it is believed, at present as properly belongs to Cincinnati. There are numerous manufacturing towns in Ohio, of which, after Cincinnati, Zanesville and Steubenville are the chief. All this region, in numerous streams, calculated for water power, in a salubrious climate, in abundance of pit coal, in its position, and the genius and habits of its inhabitants, is naturally adapted to become a manufacturing country. Materials for articles of prime necessity, as salt, iron and glass, exist in the most ample abundance. Pittsburg, blackened with the smoke of pit coal, and one quarter of Cincinnati, throwing up columns of smoke from the steam factories, may be considered as great manufacturing establishments. If we except the cordage, bale rope, bagging, and other articles of hempen fabric, manufactured in Kentucky, the chief part of the western manufactures originates in west Pennsylvania and Ohio. There are some indications, that Indiana will possess a manufacturing spirit; and there are separate, incipient establishments of this kind, more or less considerable, in every state, but Louisiana and Mississippi.

These manufactures consist of a great variety of articles of prime necessity, use and ornament. The principal are of iron, as castings of all sorts; and almost every article of ironmongery, that is manufactured in the world. This manufacture is carried on to an immense extent. Glass is manufactured in various places, at present, it is supposed, nearly to an amount, to supply the country. Manufactures in woollen and cotton, in pottery, in laboratories, as white and red lead, Prussian blue, and the colors generally, the acids, and other chemical preparations, in steam power machinery, saddlery, wheel irons, wire drawing, buttons, knitting needles, silver plating, Morocco leather, articles

in brass and copper, boots and shoes, breweries, tin, and other metals; in short, manufactures subservient to the arts, and to domestic subsistence, are carried on at various places in the western country with great spirit. Ohio has imbibed from her prototype, New England, manufacturing propensities; and we have heard it earnestly contested, that her capabilities for being a great manufacturing country, were even superior to those of New England. It is affirmed, that, taking the whole year into consideration, her climate is more favorable to health; and there can be no question, that in her abundance of fuel, pit coal, and the greater profusion of the raw material of manufactures in general, she has greatly the advantage.

In the state of Kentucky, hemp is raised to a considerable extent; and in the different manufactures constitutes a material article in her exports. Salt is manufactured through all the western country in sufficient abundance for home consumption. Shoes, hats and clothing, to a considerable extent, are yet imported from abroad into some of the western states. But, as we have remarked, the far greater part of the people are farmers. In west Pennsylvania and Virginia, in Ohio and Kentucky, in Indiana, Illinois, Missouri, and a part of Tennessee, the same articles are grown, and sent abroad, to wit: flour, corn, and the small grains; pulse, potatoes, and the other vegetables; fruit, as apples, fresh and dried, dried peaches, and other preserved fruits; beef, pork, cheese, butter, poultry, venison hams, live cattle, hogs and horses. The greater part of the flour is sent from Ohio and Kentucky; though Indiana, Illinois and Missouri are following the example with great vigor. Wheat is grown with more ease in Illinois and Missouri, than in the other states. Ohio has gone considerably into the culture of yellow tobacco.—Tobacco is one of the staples of Kentucky export. Cattle

and horses are sent to New Orleans extensively from Illinois and Missouri, as are, also, lead and peltries. In Arkansas, part of Tennessee, all Alabama and Mississippi, cotton is the chief object of cultivation. Grains, and other materials of nutriment, are only raised in subservience to this culture. The cultivation of Louisiana, and a part of Florida, is divided between cotton and sugar.

The cultivation in all the states, except Ohio, Indiana and Illinois, is chiefly performed by slaves, of whose character, habits and condition we have yet to treat. The farms in Ohio and Indiana are generally of moderate size, and the cultivators do not materially differ in their habits from those of the northern Atlantic states. In Kentucky, Illinois and Missouri, they are more given to what is called 'cropping,' or raising a crop; that is, devoting the chief attention to the cultivation of one article. In all the states, save those, that cultivate cotton and sugar, they make, on an average, sixty bushels of maize to the acre; and the cultivation consists in ploughing two or three times between the rows, during the growing of the crop. From eighty to an hundred bushels are not an uncommon crop, and manuring is scarcely yet thought of even for the cultivation. The good lands in Illinois and Missouri yield from thirty to forty bushels of wheat to the acre. The cultivation is on prairie, or bottom land; and as the soil is friable, loose, and perfectly free from stones, and on the prairies from every other obstruction, farming is not laborious and difficult, as in hard and rocky grounds. The ease and abundance, with which all the articles of the country are produced, is one of the chief objects of complaint. The necessary result is, that they are raised in such abundance, as to glut the market at New Orleans, and often not to bring enough to pay the expenses of transportation. It is believed, that a fair average price of corn, for the three

past years, in the market in Cincinnati, by the quantity, has not exceeded twelve and a half cents a bushel. Were an Ohio farmer sure of three dollars a barrel for any quantity of good flour, that he could carry to the market, it is believed, that five times the present amount could be made in that state.

From the cheapness of corn, and the abundance of 'mast,' as it is called, in the woods, hogs, too, are easily multiplied, beyond the wants of the people, or the means of profitable sale. By the quantity, it is believed, that pork may generally be had for a cent and a half a pound. Cattle, when carried to New Orleans alive, generally command a tolerable price, as do hogs. Horses are an important and increasing article of export. Orchards north of 36° prosper, perhaps, better, than in any other country, and apples and cider are already important articles of exportation, and will soon be more so; for no where do apple trees grow with more rapidity and beauty, and sooner, and more amply load themselves with fruit. Venison and deer skins, honey and beeswax are commonly received in the country stores, in pay for goods. In Illinois, furs begin to be an article of exportation. From Missouri, peltries, furs and lead, from the Illinois mines, and from those in the Missouri mine region, are the chief articles of present export. The amount of export of these articles, together with the cotton and sugar of the southern country, and the prodigious quantities of whiskey from all the western states will be seen by recurrence to the table of exports.*

Modes of conveyance to market. Water carriage, &c. From the northern and eastern parts of this valley, no inconsiderable amount of the produce and articles of the West finds its way to the eastern country over the lakes.

* See Appendix, table No. VII.

Cleveland and Sandusky, on lake Erie, are deriving importance from being places of shipment from Ohio over the lakes. The northern garrisons are beginning to be supplied from Illinois and Missouri, by the way of Chicago and lake Michigan. Horses and cattle, to a large amount, are driven over the mountains from Ohio and Kentucky. In the years 1813-14, in one year, four thousand and fifty-five wagons were numbered from Philadelphia to Pittsburg. Many of them find a return load of articles of the West. When the contemplated canals between Illinois and Michigan, and the commenced ones between Ohio and Erie on one hand, and Ohio and the Potomac on the other, shall be completed, incalculable amounts of produce will find their way to the eastern marts by these channels.

At present, however, almost the whole commercial intercourse of the country is with New Orleans, by the rivers and the Mississippi, in boats. These are so various in their kinds, and so curious in their construction, that it would be difficult to reduce them to specific classes and divisions. No form of water craft so whimsical, no shape so outlandish, can well be imagined, but what, on descending from Pittsburg to New Orleans, it may some where be seen lying to the shore, or floating on the river. The New York canal is generating monstrous conceptions of this sort; and there will soon be a rivalry between the East and the West, which can create the most ingenious floating river monsters of passage and transport.

The barge is of the size of an Atlantic schooner, with a raised and outlandish looking deck. It had sails, masts and rigging not unlike a sea vessel, and carried from fifty to an hundred tons. It required twenty-five or thirty hands to work it up stream. On the lower courses of the Mississippi, when the wind did not serve, and the waters were

high, it was worked up stream by the operation, that is called 'warping,'—a most laborious, slow and difficult mode of ascent, and in which six or eight miles a day was good progress. It consisted in having two yawls, the one in advance of the other, carrying out a warp of some hundred yards in length, making it fast to a tree, and then drawing the barge up to that tree by the warp. When that warp was coiled, the yawl in advance had another laid, and so on alternately. From ninety to an hundred days was a tolerable passage from New Orleans to Cincinnati. In this way the intercourse between Pittsburg, Cincinnati, Louisville, Nashville and St. Louis, for the more important purposes of commerce, was kept up with New Orleans. One need only read the journal of a barge on such an ascent, to comprehend the full value of the invention of steam boats. They are now gone into disuse, and we do not remember to have seen a barge for some years, except on the waters above the mouth of the Ohio.

The keel boat is of a long, slender and elegant form, and generally carries from fifteen to thirty tons. Its advantage is its small draft of water, and the lightness of its construction. It is still much used on the Ohio and upper Mississippi in low stages of water, and on all the boatable streams, where steam boats do not yet run. Its propelling power is by oars, sails, setting poles, cordelle, and when the waters are high, and the boat runs on the margin of the bushes, 'bush-whacking,' or pulling up by the bushes. Before the invention of steam boats, these boats were used in the proportion of six to one at the present time.

The ferry flat is a scow-boat, and when used as a boat of descent for families, has a roof, or covering. These are sometimes, in the vernacular phrase, called 'sleds.' The Alleghany or Mackinaw skiff is a covered skiff, carrying

from six to ten tons; and is much used on the Alleghany, the Illinois, and the rivers of the upper Mississippi and Missouri. Perioques are sometimes hollowed from one very large tree, or from the trunks of two trees united, and fitted with a plank rim. They carry from one to three tons. There are common skiffs, canoes and 'dug-outs,' for the convenience of crossing the rivers; and a select company of a few travellers often descend in them to New Orleans. Hunters and Indians, and sometimes passengers, make long journeys of ascent of the rivers in them. Besides these, there are anomalous water crafts, that can hardly be reduced to any class, used as boats of passage or descent. We have seen flat boats, worked by a wheel, which was driven by the cattle, that were conveying to the New Orleans market. There are horse boats of various constructions, used for the most part as ferry boats; but sometimes as boats of ascent. Two keel boats are connected by a platform. A circular pen holds the horses, which by different movements propel wheels. We saw United States' troops ascending the Missouri by boats, propelled by tread wheels; and we have, more than once, seen a boat moved rapidly up stream by wheels, after the steam boat construction, propelled by a man, turning a crank.

But the boats of passage and conveyance, that remain after the invention of steam boats, and are still important to those objects, are keel boats and flats. The flat boats are called, in the vernacular phrase, 'Kentucky flats,' or 'broad horns.' They are simply an oblong ark, with a roof of circular slope, to shed rain. They are generally about fifteen feet wide, and from fifty to eighty, and sometimes an hundred feet in length. The timbers of the bottom are massive beams; and they are intended to be of great strength; and to carry a burthen of from

two to four hundred barrels. Great numbers of cattle, hogs and horses are conveyed to market in them. We have seen family boats of this description, fitted up for the descent of families to the lower country, with a stove, comfortable apartments, beds, and arrangements for commodious habitation. We see in them ladies, servants, cattle, horses, sheep, dogs and poultry, all floating on the same bottom; and on the roof the looms, ploughs, spinning wheels and domestic implements of the family.

Nine tenths of the produce of the upper country, even after the invention of steam boats, continues to descend to New Orleans in Kentucky flats. They generally carry three hands; and perhaps a supernumerary fourth hand, a kind of supercargo. This boat, in the form of a parallelogram, lying flat and dead in the water, and with square timbers below its bottom planks, and carrying such a great weight, runs on to a sandbar with a strong headway, and ploughs its timbers into the sand; and it is, of course, a work of extreme labor to get the boat afloat again. Its form and its weight render it difficult to give it a direction with any power of oars. Hence, in the shallow waters, it often gets aground. When it has at length cleared the shallow waters, and gained the heavy current of the Mississippi, the landing such an unwieldy water craft, in such a current, is a matter of no little difficulty and danger.

All the toil, and danger, and exposure, and moving accidents of this long and perilous voyage, are hidden, however, from the inhabitants, who contemplate the boats floating by their dwellings on beautiful spring mornings, when the verdant forest, the mild and delicious temperature of the air, the delightful azure of the sky of this country, the fine bottom on the one hand, and the romantic bluff on the other, the broad and smooth stream rolling calmly down the forest, and floating the boat gently forward,

present delightful images and associations to the beholders. At this time there is no visible danger, or call for labor. The boat takes care of itself; and little do the beholders imagine, how different a scene may be presented in half an hour. Meantime one of the hands scrapes a violin, and the others dance. Greetings, or rude defiances, or trials of wit, or proffers of love to the girls on the shore, or saucy messages, are scattered between them and the spectators along the banks. The boat glides on, until it disappears behind the point of wood. At this moment, perhaps, the bugle, with which all the boats are provided, strikes up its note in the distance over the water. These scenes, and these notes, echoing from the bluffs of the beautiful Ohio, have a charm for the imagination, which, although we have heard them a thousand times repeated, at all hours and in all positions, even to us present the image of a tempting and charming youthful existence, that almost inspires a wish, that we were boatmen.

No wonder, that the young, who are reared in these remote regions, with that restless curiosity, which is fostered by solitude and silence, who witness scenes like this so frequently, no wonder, that the severe and unremitting labors of agriculture, performed directly in the view of such scenes, should become tasteless and irksome. No wonder, that the young, along the banks of the great streams, should detest the labors of the field, and embrace every opportunity, either openly, or, if minors, covertly to escape, and devote themselves to the pernicious employment of boating. In this view we may account for the detestation of the inhabitants, along these great streams, towards steam boats, which are continually diminishing the number of all other boats and boatmen, and which have already withdrawn, probably, ten thousand from that employment. We have seen, what is the character of this employment, not

withstanding all its seductions. In no employment do the hands so soon wear-out. It is, comparatively, but a few years, since these waters have been navigated in any way. Yet at every bend, and every high point of the rivers, where you go on shore for a moment, you may expect to see the narrow mound, and the rude monument, and the coarse memorial carved on an adjoining tree by a brother boatman, to mark the spot, where an exhausted boatman yielded his breath, and was buried.

The bayou at New Madrid has an extensive and fine eddy, into which boats float, almost without exertion, and land in a remarkably fine harbor. It may be fairly considered the central point, or the chief meridian of boats, in the Mississippi valley. This bayou generally brings up the descending and ascending boats; and this is an excellent point of observation, from which to contemplate their aspect, the character of boating, and the descriptions and the amount of produce from the upper country. You can here take an imaginary voyage to the falls of St. Anthony, or Missouri; to the lead mines of Rock river, or Chicago of lake Michigan; to Tippicanoe of the Wabash, Oleanne point of the Alleghany, Brownsville of the Monongahela, the Saline of the Kenhawa, or the mountains, round whose bases winds the Tennessee; or, if you choose, you may take the cheap and rapid journey of thought along the courses of an hundred other rivers; and in the lapse of a few days' residence in the spring, at this point, you may see boats, which have arrived here from all these imagined places. One hundred boats have landed here in a day.—The boisterous gaiety of the hands, the congratulations of acquaintances, who have met here from immense distances, the moving picture of life on board the boats, in the numerous animals, large and small, which they carry, their different ladings, the evidence of the increasing agriculture

above, and, more than all, the immense distances, which they have already traversed, afford a copious fund of meditation. In one place there are boats loaded with pine plank, from the pine forests of the southwest of New York. In another quarter there are numerous boats with the 'Yankee notions' of Ohio. In another quarter are landed together the boats of 'old Kentucky,' with their whiskey, hemp, tobacco, bagging and bale rope; with all the other articles of the produce of their soil. From Tennessee there are the same articles, together with boats loaded with bales of cotton. From Illinois and Missouri, cattle, horses, and the general produce of the western country, together with peltry and lead from Missouri. Some boats are loaded with corn in bulk, and in the ear. Others are loaded with pork in bulk. Others with barrels of apples and potatoes, and great quantities of dried apples and peaches. Others have loads of cider, and what is called 'cider royal,' or cider, that has been strengthened by boiling, or freezing. Other boats are loaded with furniture, tools, domestic and agricultural implements; in short, the numerous products of the ingenuity, speculation, manufacture and agriculture of the whole upper country of the West. They have come from regions, thousands of miles apart. They have floated to a common point of union.—The surfaces of the boats cover some acres. Dunghill fowls are fluttering over the roofs, as invariable appendages. The piercing note of the chanticleer is heard.—The cattle low. The horses trample, as in their stables. The swine utter the cries of fighting with each other. The turkeys gobble. The dogs of an hundred regions become acquainted. The boatmen travel about from boat to boat, make enquiries and acquaintances, agree to 'lash boats,' as it is called, and form alliances to yield mutual assistance to each other on the way to New Orleans. After an hour

or two passed in this way, they spring on shore, to 'raise the wind' in the village. If they tarry all night, as is generally the case, it is well for the people of the town, if they do not become riotous in the course of the evening; in which case, strong measures are adopted, and the proceedings on both sides are summary and decisive. With the first dawn all is bustle and motion; and amidst shouts, and trampling of cattle, and barking of dogs, and crowing of the dunghill fowls, the fleet is in a half an hour all under way; and when the sun rises, nothing is seen, but the broad stream rolling on, as before. These boats unite once more at Natchez and New Orleans; and although they live on the same river, it is improbable, that they will ever meet again on the earth.

In passing below, we often see a number of boats lashed, and floating together. In travelling over the roofs of the floating town, you have a considerable walk. These associations have various objects. Boats so united, as is well known, float considerably faster. Perhaps the object is to barter, and obtain supplies. Perhaps to kill beef, or pork, for fresh provisions. Apples, cider, nuts, dried fruit, whiskey, cider and peach brandy, and drams, are retailed; and the concern is for a while one of great merriment and good will. Unforeseen moral storms arise; and the partnership, which began in a frolic, ends in a quarrel. The aggrieved discharge a few mutual volleys of the compliments, usually interchanged on such occasions, unlash, and each one manages his boat in his own way.

The order of things in the western country naturally fosters a propensity for a floating life on the water. The inhabitants will ultimately become as famous, as the Chinese, for having their habitancy in boats. In time of high waters at the mouth of the Ohio, we were on board an immensely large flat boat, on which was 'kept a town,'

which had figured in the papers, as a place, that bade fair to rival the ancient metropolis of the Delta of the Nile.—The tavern, the retail and dram shops, together with the inhabitants, and no small number of very merry customers, floated on the same bottom. We have seen a large tinner's establishment floating down the Mississippi. It was a respectable manufactory; and the articles were sold, wholesale and retail. There were three apartments, and a number of hands. When they had mended all the tin, and vended all, that they could sell in one place, they floated on to another. We have heard of a large floating blacksmith's establishment; and of another, in which it was contemplated to work a trip hammer. Beside the numerous periogues, or singular looking Spanish and French trading retail boats, commonly called 'chicken thieves,' which scour the rivers within an hundred leagues of New Orleans, there are on all the waters of the West retail trading boats. They are often fitted up with no inconsiderable ingenuity and show. The goods are fancifully arranged on shelves. The delicate hands of the vender would bear a comparison with those of the spruce clerk behind our city counters. Every considerable landing place on the waters of the Ohio and the Mississippi has in the spring a number of stationary and inhabited boats, lying by at the shores. They are too often dram shops, and resorts of all kinds of bad company. A severe enquiry ought to be instituted at all these points, respecting the inmates and practices of these floating mansions of iniquity.

There is no portion of the globe, where the invention of steam boats ought to be so highly appreciated, as in the valley of the Mississippi. That invention ought to be estimated the most memorable era of the West; and the name of the inventor ought to be handed down with glory

to the generations to come. No triumph of art over the obstacles of nature has ever been so complete. But for this invention, this valley might have sustained a nation of farmers and planters; and the comforts, the arts, refinements and intelligence of the day would have made their way slowly from New Orleans to the lakes, the sources of the Mississippi, and the Rocky mountains. Thousands of boatmen would have been slowly and laboriously warping, and rowing, and poling, and cordelling their boats, in a three months trip up these mighty and long streams, which are now ascended by steam boats in ten days. It may be safely asserted, that in many respects, the improvements of fifty years without steam boats, were brought to this country in five years, after their invention. The distant points of the Ohio and the Mississippi used to be separated by distances and obstacles of transit more formidable, in the passing, than the Atlantic. These points are now brought into juxtaposition. Distances on the rivers are not indeed annihilated; but they are diminished to about an eighth of their former extent; and their difficulties and dangers are reduced even more than that. All the advantages of long rivers, such as variety of soil, climate, productions, remain, divested of all the disadvantages of distance and difficulty of ascent. The day, that commemorates this invention, ought with us to be a holiday of interest, only second to that, which gave birth to the nation.

It is, perhaps, necessary to have something of the experience, which we have had, of the slowness, difficulty and danger of propelling boats against the current of these long rivers, fully to estimate the advantages of this invention.— We have ascended the Mississippi in this way for fifty days in succession. We have had but too much of the same kind of experience on the other streams. We considered ten miles a day, as good progress. It is now refreshing,

and it imparts a feeling of energy and power to the beholder, to see the large and beautiful steam boats scudding up the eddies, as though on the wing. When they have run out the eddy, and strike the current, it is a still more noble spectacle. The foam bursts in a sheet quite over the deck. The boat quivers for a moment with the concussion, and then, as though she had collected her energy, and vanquished her enemy, she resumes her stately march, and mounts against the current five or six miles an hour. We have travelled ten days together, between New Orleans and Louisville, more than an hundred miles in a day against the stream. The difficulty of ascending used to be the only one, that was dreaded in the anticipation of a voyage of this kind. This difficulty has now disappeared, and the only one, that remains, is to furnish money for the trip. Even the expense, considering the luxury of the fare, and accommodation, is more moderate, than could be expected. A family in Pittsburg wishes to make a social visit to a kindred family on Red river. The trip, as matters now stand, is but two thousand miles. Servants, baggage, or 'plunder,' as the phrase is, the family and the family dog, cat and parrot, all go together. In twelve days they reach the point proposed. Even the return is but a short voyage. Surely we must resist strong temptations, if we do not become a social people. You are invited to a breakfast at seventy miles distance. You go on board the passing steam boat, and are transported, during the night, so as to go out in the morning, and reach your appointment. The day will probably come, when the inhabitants of the warm and sickly regions of the lower points of the Mississippi will take their periodical migrations to the north, with the geese and swans, and with them return to the south in the autumn.

We have compared the most beautiful steam boats of the Atlantic waters with those of the Mississippi; and we have seen none, which in splendor and striking effect upon the eye, and the luxury and comfort of accommodation, could equal the Washington, Philadelphia, Lady of the Lake, Florida, and some others, on these waters. We have been amused in observing an Atlantic stranger, who had heard us described by the phrase 'backwoods men,' taking his first survey of such a steam boat. If there be any ground of complaint, it is, that so much gorgeousness offends good taste, and seems to be in opposition to that social ease and comfort, which one would desire in such a place. Certainly, there can be no comparison between the comfort of the passage from Cincinnati to New Orleans in such a steam boat, and a voyage at sea. The barren and boundless expanse of waters soon tires upon every eye, but a seaman's. And then there are storms, and fastening of the tables, and the necessity of holding to something, to keep in bed. There is the insupportable nausea of sea sickness, and there is danger. Here you are always near the shore, always see the green earth; can always eat, write, and study undisturbed. You can always obtain cream, fowls, vegetables, fruit, fresh meat, and wild game, in their season, from the shore.

A stranger to this mode of travelling would find it difficult to describe his impressions upon descending the Mississippi for the first time in one of these steam boats, which we have named. He contemplates the prodigious construction, with its double tiers of cabins, and its separate establishment for the ladies, and its commodious arrangements for the deck passengers and the servants. Over head, about him, and below him, all is life and movement. He contemplates the splendor of the cabin, its beautiful finishings of the richest woods, its rich carpeting, its mirrors and

fine furniture, its sliding tables, its bar room, and all its arrangements for the accommodation of eighty cabin passengers. The fare is sumptuous, and every thing in a style of splendor, order, quiet and regularity, far exceeding that of most city taverns. You read. You converse, or walk, or sleep, as you choose. Custom has prescribed, that every thing shall be '*sans ceremonie*.' The varied and verdant scenery shifts about you. The trees, the green islands, the houses on the shore, every thing has an appearance, as by enchantment, of moving past you. The river fowl, with their white and extended lines, are wheeling their flight above you. The sky is bright. The river is dotted with boats above you, beside, and below you. You hear the echo of their bugle reverberating from the woods. Behind the wooded point you see the ascending column of smoke, rising over the trees, which announces, that another steam boat is approaching you. The moving pageant glides through a narrow passage, between an island, thick set with young cotton woods, so even, so beautiful, and regular, that they seem: to have been planted for a pleasure ground, and the main shore. As you shoot out again into the broad stream, you come in view of a plantation, with all its busy and cheerful accompaniments. At other times you are sweeping along for many leagues together, where either shore is a boundless and pathless wilderness. A contrast is thus strongly forced upon the mind, of the highest improvement and the latest pre-eminent invention of art with the most lonely aspect of a grand but desolate nature,—the most striking and complete assemblage of splendor and comfort, the cheerfulness of a floating hotel, which carries, perhaps, two hundred guests, with a wild and uninhabited forest, it may be an hundred miles in width, the abode only of bears, owls and noxious animals.

The Mississippi may be fairly considered, as the grand trunk of water communication, and the Missouri, Illinois, Ohio, White, Arkansas and Red rivers the main arteries. Each of these has again its own system of circulation. In looking, from the lakes, the highest boatable waters of the Alleghany, Monongahela, Kenhawa, Cumberland, Tennessee, Yazoo, upper Mississippi, Missouri, Arkansas and Red rivers, at the immense distances, thus brought into boatable communication; in contemplating two canals, one of three hundred miles in extent, and the other nearly seventy, which will shortly be boatable, and considering that these will be the precursors of multitudes of future connections of boatable waters, united in the same way, and we may safely assert, that this valley is a sample entirely by itself on our globe of the ease and extent of inland water communications. New Orleans can not have less than 40,000 miles of interior navigation on all her lakes, bayous, and hundreds of boatable streams; without taking into view the added extent of the northern lakes, which will be connected with her by the Ohio canal. For water communication she has no rival nor compeer; and she may be justly denominated the queen of rivers; and the whole western country is as strongly marked off from any other region by the number and extent of its navigable waters as it is by the greater magnitude of its valley.

We annex the subjoined table, as a complete list of the names and the tonnage of the steam boats at present on the western waters.*

HISTORY. It will be obvious to the smallest degree of reflection, that the limits prescribed to us will prevent our treating this article with the copiousness and minuteness,

* See Appendix, table No. VIII.

which ordinarily characterizes history. The origin and progress of the disputes and contests of the Spanish, French and Anglo-American colonies in the valley of the Mississippi, thus treated, would alone form a very considerable work. Our object is, to give a connected and synoptical view of the commencement and progress of the population of the whites in these forests down to this time; and we shall condense the article, as far as possible, and give it in the unpretending form of annals, premising, that, having compared different authorities for the French and Spanish part of it, we have mostly relied on the manuscript, and as yet untranslated authority of M. de La Harpe.

The English and the Spanish dispute the honor of the discovery of this country. There seems to be sufficiently authentic testimony to the fact, that Sebastian Cabot sailed along the shores of the country, since called Florida, but a few years after America had been discovered by Columbus. The Spanish contend, that it was discovered in the thirtieth degree of north latitude by Juan Ponce de Leon, in 1512. This Spanish navigator is said to have been led to undertake this voyage, in consequence of a tradition, which he had heard at Cuba, probably derived from the intercourse of the Indians of that island with those of Florida, that there existed, somewhere in this region, a fountain, which had the property of operating rejuvenescence upon old age, and afterwards perpetuating youth. This would have been a discovery still more precious, than the gold of Montezuma and the Incas. He fitted out a small squadron, and directed his path over the ocean to the supposed point of these precious waters. He discovered land on Easter day, and gave it the name of Florida, from the Spanish name of that festival, *pasqua de flores*—the festival of flowers, or, according to Herrera, from the appearance of the country, the trees of which at that time were covered with

abundant and beautiful blossoms. The name imports the country of flowers.

He wandered in the flowering forest, searching in vain for the fountains of rejuvenescence. Instead of those fountains, he encountered fierce and determined savages, very different from the timid and effeminate Indians of Cuba. He was glad to escape, and return to Puerto Rico, whence his expedition was fitted out,

Between 1518 and 1524, Grijalva and Vasques, both Spaniards, landed on the shore of Florida. One of the two, and authorities do not agree which, treacherously carried off a number of the natives, as slaves. Grijalva returned again to the country, and received the just retribution of such perfidy. He landed with a considerable number of men, of whom two hundred were slain by the savages, in remembrance, and in retaliation of the injury of enslaving and carrying off their friends. He made another attempt to land on these shores, and was again attacked by the savages; and on his return to Hispaniola, he lost one of his ships, having been unfortunate in his whole enterprize. He returned, gave himself up to despair, and died of a broken heart. Francis de Garay obtained the first grant of Florida; but died without entering upon his grant. De Allyon succeeded to his grant; and as history says nothing of him, it only proves, that little was thought of the country at this period.

In 1528, Pamphilo de Narvaez obtained a grant of Florida, and the boundaries of his grant were specified. He fitted out a considerable armament, with four or five hundred men. With this force he landed, and marched into the interior; and we first begin to hear the names of the tribes and villages of the natives from his journal.—The extent of his march was to Appalacha, a village with forty cabins. He had been decoyed thus far by the na-

tives, who, finding that the grand object of the Spaniards was to obtain gold, pretended, that there were mines in their vicinity. On their own ground, they turned upon him, defeated him, and harassed him on his retreat. On his return voyage, somewhere not far from the mouth of the Mississippi, his fleet was attacked by a storm, in which most of his ships were wrecked, and in which he, and many of his men perished.

He was succeeded by Ferdinand de Soto, governor of Cuba. He was a man of great bravery and boldness, and of a chivalrous and enterprising spirit. He contemplated the conquest and colonization of Florida. His powerful armament sailed from Havanna, and consisted of nine ships, nearly a thousand men, between two and three hundred horses, and live stock of different kinds; indicating a purpose to establish a colony. He landed this formidable force, and was attacked immediately on landing; but he was one of those early adventurers in America, who rather coveted glory, than gold. He marched far into the interior, penetrated the Indian country, as far as that of the Chickasaws, fought many battles with them, rather courting, than avoiding danger; and he was, probably, the first white man, who saw the Mississippi, which he crossed on this expedition, not far from the entrance of Red river. He had already passed a winter in the country, in continual rencontres with the Indians. On Red river he sickened, and died. He had rendered himself such an object of terror and hatred to the Indians, that in order to preserve his remains from violation, or prevent the knowledge of his death, his body was enclosed in the hollow section of an oak tree, and sunk in Red river. His followers, reduced to two or three hundred men, in want and despair, felt but too happy to get away from these inhospitable

shores, and once more to leave Florida without a white inhabitant.

The great and illustrious Protestant, Admiral Colligny, had formed the project of establishing a colony of *hugunots*, as the Protestants were called in France, on these remote shores, that they might find an asylum from persecution in the wilderness. Charles of France was anxious to get rid of his *hugunot* subjects, and furthered the project. An expedition was fitted out, and the command given to Francois Ribault. The settlers were landed not far from the present position of St. Augustine. To the eastward of the bay of St. Joseph he built a fort, which the French contend, was the first fortification erected in the country. It was called fort Charles, in honor of the king. It was in the year 1564; and a number of families were established here.

This colony suffered various disasters from disaffection, and mutiny, and hunger, and desertion by the parent country. After a considerable interval of time, Ribault arrived with seven ships and large reinforcements from France; but it was only to draw from the new settlement all the men, that could be spared, for an attack upon the Spanish fleet in those seas. M. de Laudoniere was left in the new fort without an adequate force, to defend it. In the absence of Ribault, it was attacked by Don Pedro Menendez, who commanded a Spanish force in that region, charged by the king of Spain, to root out the French heretics from Florida, and plant good Spanish Catholics in their place. He attacked the fort, and carried it by storm. All, that escaped the sword, were immediately hung, with this inscription labelled on their backs—'Not as Frenchmen, but as heretics, enemies of God and the Virgin.'

A private Gascon gentleman in France, of good family and fortune, named Dominique de Gourgues, determined

to avenge the massacre of his countrymen by his own private means. He fitted out a small armament, proceeded to the country, enlisted a number of the natives, as allies, attacked the Spaniards, and, after some severe fighting, carried the fort. All, that survived the capture, were hung on the same trees, where the French had so miserably perished, with this retaliating label on their backs—‘Not as Spaniards, or soldiers, but as traitors, and assassins.’—But the vicinity of powerful Spanish colonies in the islands, so near to the shores of Florida, gave them such advantages for retaining possession of that country, that Gorgeus and his friends soon felt themselves compelled to abandon it; and it was left to the undisturbed occupancy of the Spaniards for nearly half a century.

Almost fifty years elapsed, before we hear any thing more of the French in North America. In 1608, a fleet arrived in the St. Lawrence, commanded by Admiral Champlaine, and founded the important city of Quebec. There is one surprising coincidence in the discovery and first settlements of the three great colonizing powers in this division of North America, the Spanish, French and English. The Spaniards fixed their first colony east of the Mississippi on the barren sands of Florida. The first French establishment in the north was in the icy and inclement climate of Quebec. Their first southern colonial experiments were in Florida, and on Biloxi, both as sterile regions as could have been selected. The English first planted a colony at Jamestown, in Virginia, no way remarkable for its comparative promise of fertility; and at Plymouth, in Massachusetts, as discouraging a point, from its appearance at the time of landing in the depth of winter, and from its natural sterility, as little inviting, as could well be imagined. Providence seems to have settled the

arrangement, that the most dreary and sterile regions should be the first settled.

Even after the French were established on the fertile borders of the Mississippi, where the prodigious power of vegetation, constantly in operation before their eyes, must have taught them the prolific character of the soil, they long drew from France, or the Spanish colonies, supplies of provisions, which the earth under their feet was much more capable of producing. We are told, that the first Dutch settlers of Albany and Schenectady brought the bricks for the first houses from Holland, which might have been made of a better quality from the earth, which was thrown up in the excavation of their cellars. Such is the force of prejudice; and so slow are the advances of reason.

The Spanish at this period were less enlightened, than the French; but in their projects of establishing colonies, they had been taught by experience, and their reasonings, touching the proper measures and arrangements for the permanence and prosperity of colonies, were based not on fancy and theory, but on what they had learned by observing the order of events in their new settlements. Hence, when they founded a colony, they generally laid its foundations on such sure and reasonable calculations, that it remained. The perseverance and steady enterprize of the English effected for them what experience taught the Spaniards. Most of their first founded colonies were permanent.

The French had a clear advantage over both the other nations, in a point most vital to the prosperity of colonies founded in the North American wilderness; a much greater facility, to assimilate themselves to the habits and inclinations of the savages, and to gain their alliance and good will. There is scarce an instance on record, where success depended on superior power and adroitness of

winning the affections of the savages, that the French did not carry it. And yet the French were by no means so successful, as either of the other powers, in establishing colonies. It is still more surprising, that the French colonies, planted on the Mississippi, in a mild climate, and which at that time was not particularly insalubrious, and in the most fertile soil, and in one of the most favorable positions in the world, were abandoned, broken up, and renewed, more than once, before they became permanent; while the first colony founded on the inclement shores of the St. Lawrence prospered, became flourishing, and soon extended itself to the lakes. It is proverbial, that the human powers, bodily and mental, are best developed by difficulty and opposition.

Canada had become populous, strong and enterprising. The French aptitude to be well with the savages had manifested itself. The immigrants had begun to take themselves wives from among the Indians, and to display that inclination to hunting, and trapping, and inhabiting among them, for which they have been distinguished in these regions ever since. They soon discovered the astonishing natural shrewdness of the Indians, as manifested particularly in their facility in obtaining accurate knowledge of the vast countries and rivers around and beyond them. In their hunting advances to the region of the lakes, the French were not long, in getting an account of a river of great size, and immense length, which pursued a course opposite to that of the St. Lawrence; and emptied into an unknown sea.

If the Spanish had seen and crossed the Mississippi, it was without knowing its name, or having any adequate idea of the country watered by it. In a narrative, written with great interest, and apparent simplicity, father Hennepin claims for La Salle the honor of this discovery; and

he gives details of the outfit of the discovering party from Quebec, the building of a vessel, called the 'Griffin,' the first, it should seem, that ever navigated the lakes, and the subsequent wanderings, misfortunes and assassination of La Salle, in his impressive journal.

But from a comparison of authorities we deem, that *peres* Marquette and Joliette, two French missionaries from Canada, deserve the honor of being considered the first discoverers of the Mississippi. They commenced their journey of discovery from Quebec, with five men; traversed the rivers, and forests, and immense inland seas. They made their way from lake Michigan, it is supposed by the present route, to the 'Ouisconsin, and down that river to the Mississippi.

The day of its discovery, an era, which should be so memorable to this country, was June 15, 1673. We can imagine their sensations, when they first saw that broad and beautiful river from the mouth of the Illinois. We can fancy, how the imaginations of Frenchmen would kindle at the view of the romantic bluffs, the grand forests, the flowering prairies, the tangle of grape vines on the trees, the beautiful birds, that flitted among the branches, the swans sailing in their stateliness on the stream, and as yet unterrified at the view of man, the fishes darting in the pellucid wave, and nature in the array of June. We can fancy them looking up and down this calm and majestic wave, and painting every thing above and below the cope of their vision, just as beautiful, as they could wish it. Of course, we rather attribute the wonderful accounts of the height of the Illinois bluffs, the descent of the falls of St. Anthony, the rapidity of the current of the Missouri, and the terrible monsters painted on the Grand Tower, together with their exaggerations of the fruits, flowers, birds, beasts, and every thing they saw, which we meet with in the ac-

counts of the first French voyagers on the Mississippi, to the influence of an imagination naturally and highly kindled, than to any allowed intention to deceive. They descended the Mississippi to the mouth of the Arkansas; that is, nearly a thousand miles. From their journal, exaggerated as it is, we clearly trace the progress of their descent by the present order of things.

It may be supposed, that these fathers, on their return, would not undervalue their discovery, or underrate the beauty of the river and country, which they had explored. M. de La Salle, commandant of fort Frontiniac on lake Ontario, a man of standing, courage and talents, and besides a needy adventurer, gave up his imagination and his thoughts to this discovery. To complete it promised fame, money, and success of every sort. The exhausted state of his finances offered formidable obstacles to an enterprize, which could not be prosecuted without money. At the close of the summer of 1679, he had by the greatest exertions equipped a small vessel, called the Griffin, at the lower end of lake Erie. His company consisted of father Louis Hennepin, a Franciscan friar, and thirty-four men. In their progress over the lakes, they were joined by many of those '*coueurs du bois*,' those woods' men, of which Canada thus early had begun to furnish specimens. On reaching the waters of Michigan, their vessel was despatched back with a valuable cargo of peltries. She was arrested on her return by the savages. Her crew was massacred, and she was burned.

By this disaster the crew was reduced to thirty-two in number. They made their way to the western end of lake Michigan, up the Chicago, and down the Des Plaines and the Illinois by the same route, which is now travelled. They wintered on the banks of the Illinois, near Peoria lake, and built a fort, at once for winter quarters, and se-

curity against the savages. They called the fort '*Creve-cœur*,' or Heart-break, either from their own misfortunes, suffered here, or from the circumstance, that it was the site of a bloody battle between the Iroquois and Illinois Indians, in which the latter had been defeated, and had suffered a loss of eight hundred prisoners carried into slavery. M. de La Salle, with three men, returned to Canada to procure supplies and reinforcements.

In the absence of M. de La Salle, father Hennepin was instructed to ascend the Mississippi to its sources; while the former was to return, and descend the river to its mouth, that between them the discovery might be complete. The father departed from *Creve-cœur*, with only two companions, to fulfil his part of the instructions. But when he arrived at the Mississippi, which he reached March 8th, 1680, he found it easier to descend, than to ascend, and he reached the mouth, if his word may be taken, on the 25th of the same month; nor is it incredible, that three men could work a canoe with the rapid current of the Mississippi from the mouth of the Illinois to the Balize in sixteen days. On his return, he asserts, that he ascended the river to the falls of St. Anthony. He revisited Canada, and embarked immediately for France. He there published his travels in the most splendid manner, dedicating his work to the great Colbert. In this work the country is called Louisiana, in honor of Louis XIV., the reigning monarch of France.

Various attempts have been made, from the discrepancies and exaggerations in this book, to throw doubt upon the whole asserted fact of his having ever descended the Mississippi to its mouth. Be that as it may, M. de La Salle, delighted with the country on the Illinois, made use of every exertion, which his exhausted means would allow, to furnish another expedition for the Mississippi. A num-

ber of adventurers were found willing to push their hopes and fortunes in the discovery of unknown countries. With them he arrived, in 1683, on the Mississippi. He founded the villages of Cahokia and Kaskaskia, and some other small establishments on this descent, and these are the oldest places in the western world. He left his friend, M. de Tonti, in the command of these establishments. He returned to Canada, and thence made all haste to France, in order to procure the co-operation of the French ministry with his views.

One of his first objects was to convince the ministry of the existence of that astonishing inland water communication, which nature has furnished between the river St. Lawrence and the gulf of Mexico, which binds these distant points together by an almost unbroken chain of nearly four thousand miles in length. He first comprehended the plan, upon which the French government afterwards so steadily acted, of drawing a strong line of communication from one point to the other, and thus insulating the English settlements within this impassable barrier. As establishments were thus already formed on the upper Mississippi, it was a part of this plan to commence establishments at the mouth of this river.

He obtained from the king an order to fit out an armament for discovering the mouth of the Mississippi, and the command was given to him. It sailed in the month of August, 1684. He steered too far to the westward, to reach the mouth of the Mississippi, and made land in a bay, which he called St. Louis, and which is now called the bay of St. Bernard. It is something more than one hundred leagues west of the Balize, in latitude $29^{\circ} 20' N$. He lost one of his vessels on the bar at the entrance of this bay. He finally succeeded in landing his followers on the banks of the river Guadeloupe, a stream of the present

province of Texas. The adventurers were protected in some measure from the continual assaults of the savages by a fort, which he erected for them. But in addition to their exposure to the Indians, they were assailed by sickness, and their situation was inconceivably lonely and desolate.

The efforts, which this brave man made, to rescue this little colony, which had thus followed his fortunes over the sea, and into the wilderness, from impending destruction, are almost incredible. Once he started, with twenty men, in hopes they might reach the Mississippi, and the settlement under M. de Tonti, in the Illinois. He advanced a great distance among the Indians. They received his men kindly, and four of them deserted, and joined the savages. He was compelled by sickness and desertion to return to the fort, discouraged, and weakened. But he soon regained courage, to renew the attempt to make his way over land to the Illinois. They wandered through the unknown prairies and forests, and crossed the lakes and rivers, for two months. De Salle halted, to allow his men some repose from their incessant toils. They encamped in a beautiful place, where game abounded, and where the Indians welcomed their arrival. The soldiers had heard of the desertion of their companions, on the former trip. They contemplated, on the one hand, the life of toil before them, and on the other, the fancied happiness of those, who had already deserted to dwell among the Indians. The indolence and licentiousness of a life, so passed among the savages, contrasted in their minds with the incessant toil of civilized life. They were of the hungry rabble from the populace of a French city. They determined to desert, and join the Indians. To treachery they added the most cruel assassination. They ambuscaded a party, sent out by La Salle to hunt—among

whom was his nephew, and slew them, to prevent their opposing any obstacle to their desertion. La Salle observed the mutinous spirit of these men, and became uneasy about the fate of the hunting party, which had delayed its return beyond the appointed time. With gloomy presentiments he departed, to search for his lost companions. He soon found their dead bodies. The mutineers fired upon him, and he fell. But history has not clearly ascertained, where this patriarch of Louisiana, illustrious by his merits, his misfortunes, his adventures, and his discoveries, laid his bones. Of his colony planted at St. Bernard, we may here remark, that of those that remained, part fell by the savages; and the remainder was carried away, in 1689, by a detachment of Spaniards from Coahuila, in New Leon.

The mutineers, as might be expected, soon quarrelled among themselves. In the quarrel, the two murderers of M. La Salle experienced the re-action of justice, and were slain in their turn. Two priests of the party became penitent at having winked at the assassination, and have furnished us with the account, which we have given. Seven only remained. With the two priests at their head, and aided by various savage tribes on their way, they finally reached the Arkansas, where they found a French colony, consisting of emigrants from Canada, already settled.—Charlevoix throws a melancholy interest over the fate of the other great discoverer of Louisiana, father Marquette. Previous to his discovery of the Mississippi, he had been a laborious and faithful missionary in Canada. After that discovery, he was still prosecuting his travels with great ardor. On his way from Chicago to Michilimackinack, he entered a river, which bore his name. He requested his followers to land, intimating, that he had a presentiment, that he should end his days there. He landed, erected

an altar, said mass, and retired a little distance, as he said, to offer thanks to God; and requested, that he might be left alone for half an hour. When they returned, he had expired. The place is not known, where Marquette is interred.

It is sufficiently obvious, with how much jealousy the Spaniards regarded the progress of the French in Louisiana. A number of Spanish establishments in East Florida had existed for a considerable time. They afterwards founded Pensacola, in West Florida. It was evidently intended simply as a military post, and its erection was an obvious indication, that they intended to watch, and overawe the French in that quarter.

Every circumstance, tending to illustrate the actual progress of founding French colonies in Louisiana, must have a certain degree of interest in the history of that country. We come now to an era, in which that founding may be said to have been fairly commenced. In touching on this period, something more of detail seems to be requisite.

On the 16th of September, 1698, two frigates left Rochefort for Louisiana; the *Badine*, of 30 guns, commanded by M. Ibberville, and manned with 200 men, and the *Marin*, of 30 guns, commanded by M. le Compte de Lugere. On the 4th of December, they arrived at St Domingo, at the French post commanded by M. Ducasse. There they found M. le Marquis de Chateau Morant, who commanded a vessel of 50 guns. He was shown instructions, by which he was ordered to escort the two frigates to the mouth of the Mississippi. By order of the king, Ibberville took with him Laurencillo, a man, who had rendered himself famous, by having taken Vera Cruz, by surprise, some years before. They set sail on the first day of the year, 1699, and on the 25th of the month of January, they

reached the Isle de St. Rose. On the 26th, they reconnoitered the bay of Pensacola, and saw there two Spanish ships. On sending two officers to them, it was found, that the Spanish had established themselves there, some months before, and immediately after it had been known to them, that a French armament was fitting out for this coast. The Spanish commandant at Pensacola received them well; but would not permit their vessels to enter the harbor. The fleet continued its voyage; and on the 31st of the month, came to anchor near Dauphine island. This place they called Isle de Massacr , from the circumstance, that they found it strewed with the bones of savages, who had been slain in a great recent battle with their enemies. They saw, and named the Isle de la Chandelier, on this coast. On the 11th of February, Ibberville despatched a felucca with a canoe to the main land, which was about four leagues distant. They found a bay, in which were seven canoes filled with savages, who fled with the greatest consternation at their approach.

On the 12th, they contrived to intercept a woman of the savages, by whom they were enabled to open an intercourse with her nation, which was the Biloxis, which name they gave to the bay. They took on board four of these savages, M. de Bienville remaining on shore, as a hostage for their safety. On the same evening, there arrived at the bay a party of eighty Pascagoulas, who were then at war with the Mobile Indians. All, that they could learn of these latter, was what the Indian language of signs always enables them to explain, that they dwelt on the shores of a large river, farther to the southwest. Ibberville and Bienville embarked again in a felucca, with thirty men, accompanied by *pere* Anastase, who had been the companion of La Salle in his discoveries. Their object was to find the mouth of the Mississippi.

On the 2d day of March, they entered the mouth of a great river, in which, from its turbid and boiling waters, the father thought he recognized the Mississippi. They immediately began to ascend the river, and at the end of seven days had mounted forty leagues. Here they discovered three periogues of savages, who fled at their approach. One of them was overtaken; and they made him some trifling presents, which gained his good will, and induced him to bring back his comrades. They were the Pascagoulas, and very readily conducted the French to their villages. On the 13th, they met, on a stream of the Mississippi, some periogues of Indians, belonging to tribes settled on this stream. Their numbers amounted to seven or eight hundred men. On the 14th, they arrived among the Pascagoulas, whose force was about one hundred warriors. Among them were found stuffs of European fabric, given them by La Salle. These Indians received them kindly; and among other things gave them some fowls, which they said had been reared from those, which they had received from nations west of the Mississippi, near the sea shore. The tradition of their origin was, that, four years before, a ship had been cast ashore on that part of the coast, whose crew had all perished, but three, who had been destroyed by the savages. A few domestic fowls had gained the shore from that ship, from which these among the savages had originated.

Ibberville was still uncertain, whether the river, which he was ascending, was actually the Mississippi, or not. He had not yet seen the tribe of the Tangipooos, of whom memorable mention had been made by La Salle. It was soon found, that this tribe had been destroyed by another, called the Mongoulachas. Bienville found in the basket of one of these savages a paper, upon which the names of many individuals, belonging to the detachment of La

Salle, were written, and a letter, addressed to M. de Tonti, from which he learned, that having heard from Canada of his departure from France, he had descended to the sea with twenty Canadians and thirty Shawnese from the river Wabash. This discovery dissipated all uncertainty, respecting the river, they were on; and they ascertained, that La Salle had supposed the mouth of the river to be nearly in latitude 30°. Among these nations they found a suit of Spanish armor, inscribed *Ferdinand de Soto*.

On the 18th, they passed the Baton Rouges, where was established a limit, which bounded the hunting grounds of the Pascagoulas. Further up they came to a point, where the river made a bend, or circuit of twelve leagues. Ibberville cut down trees, and crossed his periogues to the other point. The river has since cut itself a passage through this point, and it is now the well known 'Point Coupee.' On the 20th, they arrived at a village of the Houmas, who welcomed them with dances; and in token of amity made them acquainted with the Indian ceremony, since so well known, of *smoking the calumet of peace*. This village was composed of three hundred and sixty warriors; and here, too, were found domestic fowls, though the Indians had not yet begun to use them, as an article of food.

Here Ibberville, learning that there was a bayou, which he might reach by a small portage from the river, and down which he might descend through lakes and streams to the sea, left the river with two canoes and a guide, sending Bienville down the river with the periogues, to meet him again at Isle de Vasseau. On the 29th, he arrived at Isle de Vasseau, and met M. D'Ibberville, who had arrived at the same place before him, through the bayou Ibberville or Manshac, and the two lakes, which he named Maurepas and Ponchartrain.

On the 12th of April, Iberville explored a bay, situated nine leagues from Isle de Vasseau, to which he gave the name of St. Louis. He would have planted his colony here; but there was not water enough at the entrance of the bay for vessels of much draft. He concluded to plant his establishment at Biloxi,—a healthy spot, but, as we have remarked, comparatively sterile. Here he built a fort of four bastions of logs, upon which he mounted twelve pieces of cannon; and this is the era of the commencement of French establishments in this quarter. With this colony he left provisions for four months, twenty-five soldiers, and a few Canadians and Buocaneers, leaving the command of it to M. de Sarol and M. de Bienville, and set sail for France. On the 22d of May, Bienville set out on an exploring trip, in the course of which he learned, that two hundred Chickasaws, with two white men, supposed to be English, had fallen upon, and destroyed a village of the Collapissas, in their neighborhood.

On the 9th of June, he set out with two canoes, and passed Pascagoula river and Mobile point, and approached so near Pensacola, that he could perceive, it was still occupied by the Spaniards.

On the 1st of July, the fort was gladdened with the arrival of two canoes of birch bark, in which were many Canadians, under the command of two priests *de la mission*. They came from Canada by the way of the Illinois; and having learned from the Houmas, that the French were established near the sea, they concluded to descend the river, and seek them. On the 11th, the two priests, named Montigny and Davion, departed to establish a mission among the Conicas, who inhabited the banks of the Yazoo.

About this time, Bienville discovered in the Mississippi, at a distance of twenty-eight leagues from the sea, an

English vessel, commanded by captain Ban, and which had left a consort at the mouth of the river. Their intention was to explore the country, and in the course of the season, to return with a larger armament and plant a colony. On board this vessel, there was a Protestant Frenchman, who gave in secret a packet to Bienville, addressed to the king of France, in which he assured his majesty, that if he would accord liberty of conscience to a colony in this country, more than four hundred families would emigrate from Carolina. This packet was sent to M. de Pontchartrain, who returned for answer, that his majesty had not expelled heretics from his kingdom, to establish them in a republic in the new world. The English captain was in doubt, whether he was in the Mississippi, or not; and Bienville, glad to avail himself of his ignorance, assured him, that this was not the Mississippi, and that the river, which he sought, was much farther to the westward, and that the river, in which he was sailing, was within the limits of a country, of which he had taken possession, in the name of his most Christian majesty, and that the whole country was called Canada. By this policy, Bienville induced the English to desist from taking possession, and to turn about; and this point has borne the name of the 'English turn' from that circumstance.

On the 8th of December, M. de Iberville arrived at Isle de Vasseau with two ships, the *Renomme* of 50 guns, and the *Garonde* of 46. There came with them sixty Canadians, intending to explore the country more fully. By them, also, M. de Bienville received a commission, as lieutenant commandant of the colony. There arrived, also, in these vessels a Mr. de Seuer, with thirty miners. He had been an extensive traveller in Canada, and was sent here on the part of M. de Stuillier, to form an establishment near the sources of the Mississippi. The object was to

dig from a mine of '*terre verte*,' which M. de Shuillier had discovered. M. de Seuer, by order of M. Frontignac, governor general of Canada, constructed a fort on an island in the Mississippi, 200 leagues above the mouth of the Illinois. This fort was intended to awe, and keep in order the different tribes of savages, who inhabit the western shores of lake Superior, and the sources of the Mississippi. On his return to Montreal, he took with him a chief of the Sauteurs, and one of the Sioux, or Dacotas. They were the first of their respective nations, who had ever been seen in Canada. They were received with great kindness by the governor, who hoped to be able to open a useful commerce with them. Two days after their arrival, they presented the governor as many arrows, as they had warriors in their tribe. It is astonishing, how soon the French had an influence over the savages in all the valley of the Mississippi.

Ibberville, having been informed of an attempt of the English, to form an establishment on the Mississippi, determined to anticipate them in this purpose. He took with him fifty Canadians, two small vessels loaded with provisions, and two small *chaloupes*, and embarked on the 15th of January for the Mississippi. In a favorable position, and on a point of the bank above the inundation, he built a fort eighteen leagues above the Balize.

On the 8th of March, Ibberville and Bienville set out for the Natchez, and another nation of Indians, situated on a lake southwest of the Mississippi. On the 11th, they reached the Natchez, and found there a missionary, who had just arrived among them from Canada. The great sun-chief of the Natchez came in great state to the French, borne on a litter, and accompanied by 600 men. They observed in this chief a higher degree of native politeness and dignity, than they had yet observed among any of the

ceremonies. His authority seemed to be despotic. It was the custom, on the death of a chief of his standing, for his wives and domestics to devote themselves to death, in order to serve him in the other world. There were then among them seventeen of this high rank, supposed to be descended from the sun. Their traditions stated, that there had formerly been 1900 such. They stated, that their population had once exceeded two hundred thousand. They preserved in the temple of the sun perpetual fire; and on the rude altar of this temple they offered the first fruits of their harvests and their huntings. They believed, that after death brave warriors, who had killed many men and buffaloes, would dwell in a delightful country in the land of souls, where buffaloes were plenty, and all kinds of provisions in abundance. While they, who had never killed a man, would be condemned to a country of marshes and lakes, where all their subsistence would be upon alligators and fish.— We may remark in passing, that the whole course of the Mississippi at this period was through a country full of buffaloes and other game; and this accounts for the easy manner, in which the French *voyageurs* supplied themselves with provisions.

It happened, that while the French were among the Natchez, the lightning struck their temple, and destroyed it. In order to appease the 'Great Spirit,' whose anger, they inferred, was thus directed against them, they sacrificed four children in the flames, and would have offered up more victims, but for the determined opposition of the French.

On the 22d, Bienville commenced an exploring expedition westward, to discover, if possible, the distance between his establishments and those of the Spanish. Iberville started on the same day for the sea. When he had arrived at Isle de Vasseau, he learned, that the Spanish governor

of Pensacola had been there with a 24 gun ship, manned with 140 men, and some chaloupes, intending to drive the French from the coast. Finding himself unable to execute his design, he had entered a formal protest in writing against the establishment of the French in this part of the country. He alleged, that it was included within the limits of his Catholic majesty's dominions in Mexico.

About the middle of May, Bienville returned from his western expedition. He had ascended the Ouachitta to a considerable distance; had crossed from that river to Red river; and had returned by the latter river, without having seen any traces of the Spanish on his route. He had passed through a fertile country, and a great many small tribes of Indians, particularly the Natchitoches. On the 28th of May, Iberville set sail for France, having previously appointed Bienville commander of the fort, which he had constructed on the Mississippi.

On the 18th of December, Iberville arrived in these waters from France, with an armament, consisting of the *Renomme*, a 50 gun ship, and the *Palmier* of 44; and a brigantine. It was a most fortunate event to the colony at Biloxi, whose numbers were diminished to 150, and had been reduced to such straits, as to have lived for some time entirely on maize. By these vessels, Bienville had orders to evacuate the establishment at Biloxi, and create one in place of it on Mobile river. Accordingly, on the 5th of January, 1702, he departed for Mobile, leaving only 20 soldiers at Biloxi. On the 16th of the month, Bienville fixed the projected establishment, about 18 leagues from the sea, on Mobile river, where he formed a depot, and erected a fort.

About this time, an important exploring trip was undertaken from Canada to a point of the Mississippi, as high as the St. Peter's. The object was to discover mines.—

Incredible stories were in circulation, respecting the abundance of copper and copper ore in those regions. The '*terre verte*' had been supposed to be an ore of that metal. The imaginations of all the European people had been inflamed by the Spanish success in obtaining the precious metals in Mexico and Peru. Most of the expeditions, that had yet been undertaken in the Mississippi valley, had originated, more or less, in the hope of finding mines. The history of those times relates an amusing story of an impostor, who took advantage of the eager credulity of the people, on the score of mines, and pretended to have discovered one of unexampled richness on the Missouri. The French had long been perfectly acquainted with the lead mines of that region. But their imaginations had not yet been sufficiently corrected by experience, to be satisfied with the slow but certain gains of lead mines. The expedition in question to St. Peter's had for object, to dig the '*terre verte*,' and make further discoveries in that quarter.

In the journal of this establishment we have a tolerably accurate account, as it has been subsequently corrected by experience, of the Sioux, and the barbarous names of their tribes and divisions; and we have very striking evidences of the politic and judicious measures, by which the French acquired such a surprising ascendancy over savages a thousand leagues from their establishments.

On the 19th of March, M. de La Salle established himself at the fort on Mobile river, and transported thither all the provisions and munitions, which had hitherto been kept on Dauphine island. At this time, Iberville was enabled to make peace between the Chactaws, and Chickasaws.— On the 24th of June, a Spanish chaloupe arrived from Pensacola, at the fort on the Mobile, having on board the son of the viceroy of Mexico, who brought a letter from Don Francisco Martin, governor of Pensacola, stating that

his garrison was in a state of famine, and requesting a supply of provisions. On the 1st of October, arrived at the fort M. Davion, a missionary, with two Canadians from the Yazoo river, accompanied also with *pere* Limoge, whose colleague missionary had been recently assassinated by some young savages, whom he had taken for guides. On the 11th November, Don Martin arrived from Pensacola with the news, that France and Spain were at war with England. He requested provisions and munitions; and in consequence of the union of the two powers in the old world, they were granted him.

On the 28th of November, two Spanish officers arrived from St. Augustine, in East Florida, with a letter from the governor of that colony, stating that St. Augustine was besieged by an English force, with a fleet of 17 vessels, and aided by 2,000 savages. Bienville sent him an ample supply of munitions of war. On the 2d of January, 1703, they learned by letter from Pensacola, that this town, which had also been assailed by the English, still held out against them. It was afterwards succored by a fleet from Havana; and the English, in sailing away from the coast, lost two of their largest vessels. Notwithstanding the jealousies of rival colonies, so near each other, and with conflicting claims, it appears, that the French and Spanish mutually aided each other with provisions, munitions, and various helps, for a considerable period. The greatest scourge of the Spaniards about this period was the hostility of the Indians, aided, and sometimes headed by the English from Carolina.

On the 24th of July, 1704, arrived from France the *Pelican*, a 50 gun ship. She brought out two companies of soldiers, four priests, and twenty-four poor girls, who were all immediately married to Canadian colonists. The colony suffered severely, the next month, from sickness and

mortality. On the 27th of November, news arrived from Pensacola, that the fort there was reduced to ruin, and their clothes, stuffs and provisions destroyed by fire; and with a request, that the French would aid them with a schooner, to carry tidings of their disaster to Vera Cruz. On the 11th of December, news arrived, that the English were fitting out an armament at Charlestown against the French establishments on the Mobile and vicinity. On the 20th of January, 1705, M. de Lambert arrived from the French post on the Wabash, which he had abandoned, in consequence of the dread of the hostile incursions of the savages. On the 18th of February, they were informed, that the Chickasaws had enslaved and sold a number of families of the Chactaws, who had visited them in good faith, and in time of peace, to the English, and that this treachery had brought on a war between those two tribes. There were at this time more than seventy Chickasaws of both sexes at the post on the Mobile. They found themselves in a state of the greatest embarrassment, inasmuch, as they were obliged to traverse the country of the Chactaws, in returning to their own country. In their distress, they besought Bienville to escort them with a detachment of soldiers; and he consented. With a captain and 25 French soldiers to protect them, the savages set out on their return, and reached the Chactaw village, about the last of the month. The Chactaw chiefs assured them, that they would not oppose their return to their homes; and only claimed the privilege of reproaching them for their perfidy, in the hearing of the French. The Chactaw chief then placed himself in the centre of a large, open space, and invited the Chickasaws to come out, and seat themselves round him, and hearken to what he should say to them. They were permitted to hold their knives in their hands, and their guns in readiness. Three thousand Chactaw war-

rions then surrounded them, in an immense circle. The chief began his harangue, reproaching them in cutting terms with their crimes and perfidy; informing them, that if the French still took any interest in their concerns, they would cease to do it, when they should have become acquainted with their falsehood and cruelty. When he had poured out all his invectives, he gave the signal for their death. He lowered his calumet, which he had hitherto held erect; and they were all instantaneously despatched. Many of the Chactaws were killed by the shots of their own people, from their having formed too narrow a circle. Bienville himself was slightly wounded by a chance ball; and was escorted back to the Mobile by 300 Chactaw warriors.

On the 16th of January, 1706, *pere Garcia*, a Jesuit, arrived from the Illinois with the intelligence, that the Illinois Indians had shown so much hostility, that he was obliged to abandon his establishment. On the 21st, a peace was brought about between the Chickasaws and Chactaws by Bienville. About this time, died Iberville, who had been a great benefactor and patron to this colony. He died on an expedition from France to the West Indies.

On the 1st of January, 1707, intelligence was brought, that the French missionary among the Natchez had been slain, together with three other Frenchmen, by the Chetimaches, as they were descending to the sea. Presents were immediately sent to all the surrounding nations, to induce them to declare war upon that tribe.

M. de La Salle died in the beginning of the year 1710. About this time, an English Buccaneer, with a party, made a descent upon Isle au Dauphine, and pillaged it, to the amount of 50,000 dollars. March, 1711, was remarkable for an inundation of the river Mobile, by which the site of

the fort was overflowed. The establishment was moved, in consequence, eighteen leagues higher up the river.

In May, 1713, a vessel arrived from France, bringing out M. de La Motte Cadilla, who had been appointed governor of Louisiana, and with him the other officers of his government. At this time, the census of the colony gives about 400 souls, among whom were 20 blacks,—and about 300 horned cattle. This arrival of La Motte would have had a most salutary bearing on the interests of the rising colony, if he and Bienville had acted in concert. But they were mutually jealous of each other, and each had his party. A spirit of jealousy was thus originated, fatal to the interests of the establishment.

About this time, the French began to suffer from the encroachments of the English from Carolina, who had been successful in insinuating themselves into the affections of the savages, and in stirring them up in opposition to the French. Mr. Young, an English officer from Carolina, came through all the nations to the Natchez by land, contracting alliances with the Indians on his route. Learning this, the commandant at the Mobile post despatched a military guard in a periogue, which met Young at Manchac, and brought him prisoner to Mobile; from which place he was sent to Pensacola.

On the 15th of August, 1715, a vessel arrived from France with provisions for the colony, and two companies of infantry. In February, 1716, Bienville, according to an order, received from the king of France, departed up the Mississippi, to establish forts at Natchez, and even as high as the Wabash. At Natchez he learned, that five French had been slain, and that six more were still prisoners in the hands of that nation. He dissembled his knowledge of the matter, until he had persuaded the sun and war chief to meet in conference, in which they gave up

their six prisoners. He then reproached them with their murders, and refused to treat with them, until the authors should be given up to him. They replied, that it was impossible for sun-chiefs and men of valor thus to give up their people. Upon this they were immediately imprisoned, and thrown into irons. The next day, the prisoner chiefs, to the number of seventeen, requested permission to send a deputation to their brother, the grand chief, desiring him to send the head of the chief, White-head, who was the principal murderer. To this Bienville consented. The deputation returned, not with the head of the chief, but with another chief, who was willing to devote himself to death, instead of that chief. This and similar offers Bienville refused.

By one of these embassies he received a letter from a Canadian among the Natchez, informing him, that six perioues of his comrades were on their way down the river, and that, ignorant of this rupture, they would fall into the hands of the savages. Bienville immediately despatched a canoe up the river, which passed the village unperceived, and advertised the Canadians of their danger. In this interval numbers of the Natchez came and offered themselves, to die with the chiefs, that they might attend them in the other world. Bienville finally proposed peace to them on condition, that they would put to death Big-beard, one of the murderers, and build a fort for the French, with which terms they complied.

On the 26th of October, M. de St. Dennis, after having traversed the country to Mexico, arranged a plan in concert with the viceroy of that country to establish missions among the savages at Nacogdoches, Adayes and Ayache, among the several nations of those names. In the month of January, 1717, M. de La Motte sent a sergeant and six soldiers, to take possession of the island of Natchitoches,

in Red river, upon which, it was supposed, the Spaniards had a design.

On the 9th of March, M. de La Motte was relieved from his command by M. de L'Epignai, who arrived from France with three ships, and three companies of infantry. In August, a census gave the colony 700 souls, and 400 horned cattle. Hitherto agriculture, the most essential of all the interests of a colony, had been almost totally neglected, and the colony had felt the ruinous effects of such neglect. It was now proposed to settle on the Mississippi, and raise provisions for the consumption of the colony.—The growing of articles for export, such as silk, indigo, rice, tobacco, and other articles, was also proposed. It was thought, too, that they could furnish the parent country with pitch, tar, and other naval supplies.

During this year, 1717, Bienville, in searching for a suitable place on the Mississippi, to be the central spot of the new agricultural colony, selected the spot, on which New Orleans now stands, at something more than thirty leagues from the sea. He left fifty men there, to make a clearing, and to put up buildings. In August, an armament arrived from France, bringing, besides the officers, nearly 800 settlers and soldiers, intended to settle various *cessions*, or land grants. In October, M. de Bois Brilant started to establish a post on the Illinois; and at the same time, M. de La Harpe went to establish one on Red river, and to explore the country west and north.

In January, 1719, an armament arrived from France, and brought 250 persons to swell the force of the colony. At the same time, intelligence was brought, that war existed between France and Spain. It was immediately decided to make an attack upon Pensacola. Bienville concentrated the force of the colony at Mobile; and having assembled 400 savages and a considerable body of Cana-

dians, he marched by land for Pensacola. At the same time the Marshal Villars and two other vessels were despatched for the same place; and on the 14th of May, it was invested by sea and land. The Spanish governor, seeing himself in danger of an immediate assault, surrendered on condition, that the garrison should be transported to Havanna.

On the 6th of June, 1719, two ships, *Duc de Maine* and *Aurore*, arrived from the coast of Guinea, commanded by *Laudoin* and *Herpin*, bringing 500 negro slaves. On the 5th of August, a small Spanish fleet appeared before Pensacola. The garrison was partly Spanish, and inclined to yield. In the general confusion and insubordination, the French commander was obliged to surrender the place; obtaining, however, the most honorable terms. The former Spanish commander was reinstated governor. The Spaniards, flushed with this success, undertook the siege of *Dauphine* island; and after various efforts and assaults, were compelled to abandon it. About this time, a French squadron arrived off *Dauphine* island, bringing various officers for the colony, and 200 settlers.

It was determined to re-take Pensacola, before an expected squadron could arrive from *Vera Cruz*. *Bienville* mustered 500 savages and Canadians, and departed by land for that post. A French squadron sailed at the same time for the same destination; and Pensacola was again invested by sea and land. It was taken by storm, in which the French met with a small, and the Spanish a considerable loss. The whole Spanish force of all nations was 1800. On the 28th, a Spanish brigantine from Havanna entered the harbor, unconscious that the place had changed masters, and was taken. Forty-seven French deserters were found among the Spanish garrison. Twelve of them

were hung from the yard-arm of a ship, and thirty-five condemned to hard labor, as slaves.

In 1719, intelligence arrived, that the South Sea Company, that of China, and that of the West Indies had been merged in one. The garrison, which had hitherto been kept at Dauphine island, was ordered to be removed to Biloxi. It seems as if, in the confusion, which reigned in the colony at this time, it had been forgotten, that it was the intention of the French government to advance the cultivation of the soil as fast as possible, and thereby render the colony independent. This could not be done, unless the colonies were stationary. By the same conveyance the colony received an *ordonnance*, or decree, regulating the sale of merchandize, and settling the rate of profit. At the different ports, where the vessels were to be unloaded, the articles were to be delivered at a fixed profit. For instance, at New Orleans they were to be delivered at five per cent. advance; at Natchez at ten; at Yazoo at thirteen; at Natchitoches at twenty; and at Illinois and Missouri at fifty per cent.; and so of the rest.

Bernard de La Harpe, in giving his narrative of his proceedings, according to his instructions, on Red river, lays down its mouth as being in latitude $31^{\circ} 15'$; and Natchitoches in $32^{\circ} 30'$. He established a post, eighty leagues above Natchitoches, on Red river, in latitude $33^{\circ} 10'$; and attempted to open a trade with the Spaniards. He thoroughly explored the country between Red river and Washita; and made himself particularly acquainted, according to the usual French policy, with the various tribes of Indians. His narrative shows much simplicity and credulity; but is otherwise amusing. He describes, probably from the ill-understood accounts of the Indians, an animal, which he calls a lion, with one horn, and other incredible circumstances, which no after infor-

mation has confirmed to exist. Many of his barbarous names of savage tribes in that quarter, are the names, which they bear at present; and the general impression of the savages at this day confirms the statement of La Harpe, that the Carancoahs of Texas were cannibals.

He ascended the Arkansas, according to his narrative, to the mountains; and found a number of savage tribes, associated, and living in one town, which contained, as he asserts, 4,000 souls. Their cabins were contiguous, and running in a parallel line for nearly a league. The situation was delightful beyond description. They were allies of the Pawnees, who dwelt forty leagues to the north of them, and were then at peace with the Osages and most of the wandering nations about the sources of Arkansas and Red river. Their old men related, that the Spaniards had traded for the precious metals with the Padoucas, whose villages were situated at the distance of fifteen days' journey from them. They asserted, that they knew where these metals were found, but fearing their enemies, they seldom crossed the mountains, over which they were discovered. They showed him rock-salt, which they said, they obtained on this side the mountains. They represented the Arkansas, as navigable for a great distance above them, although they admitted themselves to be so ignorant of navigation, as not even to have periogues.— They presented the calumet of peace to him with great ceremony. There were present on the occasion more than 500 savages. Some venerable old men performed the ceremony. Their harangue was of the same cast with those, which the Indians give at present. It touched upon the advantages, which they hoped from an alliance with the French, the benefits of their merchandize, their warlike character, and generosity. After this, all the chiefs and principal warriors recounted the great deeds and ex-

plots, which themselves had performed, and particularly dwelling on the number of scalps, that they had taken. It was a gorgeous ceremonial; but, as such things are apt to be, before the termination it began to be wearisome. It lasted nearly three days,—during which time, the savages continued to dance, and sing without intermission.

When he retired to repose, several warriors attended with eagle feathers to drive away the flies and musquitos, and to fan him through the night. They still continued their harangues, dances and songs by day; casting from time to time buffalo robes at his feet. They made him presents of rock-salt, corn bread, tobacco, and a rock of a beautiful blue and red color, to which they added a young slave, eight years old. They regretted, that they had not received his visit one moon earlier; declaring, that they could then have given him seventeen slaves, instead of this one; but averred, that they had eaten them all at a public festival!

They were in the habit of leaving their village, in the month of October, to hunt the buffalo, and returning from the hunt in March. At that time, they planted beans, corn and pumpkins, which formed their chief sustenance during the summer. They had beautiful horses, which they rode with bridles and saddles of leather, after the Spanish fashion. They, also, wore a kind of armor made of leather, which was proof against arrows. Each of these nations had its own peculiar coat of arms, answering to the present Indian '*totem*.' This was painted on a piece of leather, and suspended above their doors. Some bore the sun, moon, or stars; and some different kinds of birds and beasts. What is most singular is, that many languages were spoken in this single village. .

To return to the colony: On the 28th of February, 1720, a French squadron arrived at Dauphine island. It came

to assist the colony, and guard its commerce. It conveyed a number of smaller vessels, and brought an addition of nearly 400 persons to it; among whom were many girls from the general hospital of Paris. On the 29th, letters were received from De Bois Brillant, informing, that he had planted his establishment eight leagues above Kaskaskia, on the shores of the Mississippi. On the 8th of June, news were received of a truce between France and Spain. About this time, the commandant at New Orleans was removed from office, on charge of misdemeanor; and a new one appointed. The French made an attempt to incite the savages generally to make war on the Chickasaws; but succeeded only with the Chactaws.

French vessels were now in the habit of arriving frequently, with provisions, munitions and settlers for the colony. On the 24th of August, 1720, arrived on board the St Andre 260 men. On the 3d of September, the Profond with 240. On the 10th, the Marin with 186. On the 20th, on board the Loire 156. On the 14th December, on board the Elephant 250.

On the 20th December, a council, civil and military, was held, in which, after much disputing between Bienville and the director general, it was determined to consolidate the strength of the colony at New Orleans, on the Mississippi. The vessel Dromedary was despatched there with these orders. To this measure the director general entered a solemn protest. On the 3d of January, 1721, the Gironde brought 300 persons to the colony. On the 5th, the Baleine brought eighty-one girls, under the direction of the sisters Gertrude and Maine. On the 7th, the Seine brought eighty souls, among whom were twenty artificers. The establishment at Kaskaskia received the name of fort Chartres; that at Biloxi fort Louis; and that at Mobile fort Conde.

On the 17th February, 1721, arrived *L'Africaine* with 180 black slaves, out of 380, with which the vessel started. On the 23d, *Le Duc de Maine* with 346, the remainder of 450. On the 16th of April, M. de Lugere sounded the bar at the mouth of the Mississippi, and found it to be 500 toises in width, and reaching 900 toises from the entrance of the river. About this time, arrived many vessels from Africa with slaves, and from France with passengers. On the 4th of June, arrived the ship *Port Paix* with 230 passengers, almost entirely Germans. About this time, a new establishment was attempted at St. Bernard, by M. de La Harpe. Hostilities were almost constantly kept up with the English of the Carolinas, by the aid of the savages.

The colony was divided into quarters, as follows: New Orleans, Biloxi, Mobile, Alabama, Natchez, Yazoo, Natchitoches, Arkansas, and Illinois. The inhabitants were informed by the council general of Louisiana, to which quarter they respectively belonged. In the chief place of each quarter, there was a commandant,—a judge, from whose decisions appeals were carried to the superior council at Biloxi. The salary of the commandant, Bienville was 12,000 livres; Bois Brilliant, first lieutenant, 5,000; second lieutenant 4,000; major general 2,000; inspector general 3,000. The whole expenditures of the government for one year was 1,227,104 livres.

The details, which we have here given, of the progress of the colony of Louisiana, in the form of a journal, are chiefly from the unedited manuscript of M. Bernard de La Harpe. The whole work is of great extent, and pursues this kind of information in much greater detail. He was himself a gentleman, a scholar, and a chief actor in the transactions, which he describes. He had, also, the advantage of the inspection of the journals of Iberville and Bienville.—

We have selected these details from the mass, as being curious for their simplicity; and furnishing French documents of the progress of a very interesting colony, and the basis of the existing establishments west of the Mississippi; and affording us materials for a comparison of the English and French modes of advancing colonies. We now resume the history of the country in the more compendious form of annals.

The advancing power of the French on Red river was naturally calculated to alarm the Spanish, on the score of their possessions in Mexico. In order to anticipate the French in this quarter, they created a nominal and uninhabited province, called Texas, east of Rio del Norte, called in those days Rio Bravo, and between that river and the Sabine, or Adayes, a point still nearer the actual French settlements at Natchitoches. The French met this effort by establishing a small fort at the mouth of the Sabine, and another within the limits of Texas, among a tribe of Indians called the Assinais, not far distant from the present site of Nacogdoches.

A struggle in this quarter was foreseen by both parties to be inevitable. Both nations exhausted their efforts to enlist the savages on their side. But, as we have seen, the French were generally unrivalled at this game. Perceiving that the French were sure to circumvent them in this effort, they conceived a plan, by which both French and savages became subservient to their views. As the savages were the grand instruments of French policy, priests and religion were generally the lever of the Spanish. A Spanish friar, named Ydaldo, addressed a letter to the French governor of Louisiana, in the name of their common Saviour and religion, to invite him to co-operate with them in founding an extensive mission among the Indians,

between their respective colonies. The Spanish were at once more zealous and more successful in forming these establishments, than the French. If the latter could be brought to concur in this measure, the former hoped in this way to acquire the chief influence in the mission, and ultimately among the savages connected with it; and by those savages to expel the French from that quarter, and from Red river. Ydaldo, a bold, artful and intriguing man, was the ostensible manager of the Spanish in this affair. He was afterwards head of the famous Spanish mission of Texas. He was reputed a saint by the colonists and savages in that region, while he lived; and was actually canonized after his death.

La Motte, the French governor, penetrated his motive, and hoped to be able to circumvent him at his own game. In answer to the letter, requesting his concurrence to form a mission, he despatched an embassy to Mexico, at once to arrange this matter, and to procure, if it might be, a re-opening of the Spanish ports, for a supply of provisions to the French colonists, which for some time past had been closed against them. M. de St. Dennis, a man of high standing, great personal influence, and talent, was sent on this mission. He was favorably received in Mexico, was universally caressed, and soon married a lady of the first rank and fortune in that country. The viceroy promised to open the Spanish ports for a supply of provisions to the French, as soon as the French should have concurred with them in establishing a mission among the Indians of Natchitoches,—a post, which in fact belonged to the command of St. Dennis. They gave the command of their troops, who were to escort the missionaries among the Indians, to this gentleman. The French governor, being consulted for permission, gave it; and St. Dennis hastened to carry it into effect. He conducted the Span-

iards from New Mexico into his own government among the Indians, by whom he was feared, and revered, almost as a divinity. This was the first appearance of the Spanish east of the Rio del Norte in the present province of Texas, except in the case already narrated, in which they took away the remnant of the French colony at Bernard's bay. St. Dennis acted on the principle of the highest honor. He availed himself of his unbounded influence among the savages, to introduce favorably among them, the Spanish priests and soldiers of the mission. He persuaded them, bitterly against their own will, to allow these stern and haughty strangers a place in their country.

Having fulfilled his part of the contract in good faith, he hastened back to Mexico, to induce the Spaniards to carry into effect their part of the contract. During his absence every thing had been changed. The viceroy was on his death bed. St. Dennis was seized, and plunged in a prison, on the double charge of being a spy, and dealing in contraband trade. This insult to a privileged envoy, together with the influence of the high family, with which he was connected by marriage, produced such a re-action among the populace in his favor, that the authorities found it for their interest to release him from his dungeon, and only confine him to the limits of the city. He was aided by his friends with the means of escape. He fled by night; dismounted a stranger, whom he accidentally met; seized his horse, and traversed the prodigious distance between that city and Louisiana, where he arrived in safety.

But the Spanish, meanwhile, had attained their object. They had strongly reinforced their missionary garrison; and the French, who were settled among the Assinai Indians, in the vicinity of the present Nacogdoches, saw too clearly their fate, now that the Spaniards were stronger than themselves. They left the Spaniards to nurture their

new converts after their own fashion, and fled over the Sabine. This was the mode, by which the Spanish became possessed of the country on this side the Rio del Norte.

We have seen from the notes of La Harpe, that the French had already established themselves at Natchez, and had built fort Rosalie, which Chateaubriand has rendered so interesting a place. About this time, La Motte died, and was succeeded by Bienville, as chief commandant. He was a man of talents, a soldier, and a statesman; and no man was better qualified to struggle with the peculiar difficulties, to which the advancing colony was exposed. But they were so numerous and complicated, that they seemed at times almost insuperable. They had to contend with disease, savages, hunger, the Spanish, the English, and what was worse than all, the grossest mismanagement of the interests of the colony at home. Every quarter, except old France, was closed against their obtaining provisions. The colonists generally hated agriculture; and loved nothing, but to live in compact villages by the proceeds of the chase, or to make distant excursions among the savages. There is nothing so astonishing in the annals of that period, as the number and extent of the distant voyages of discovery to the remotest points of this immense valley, which had been made by the French. On the whole, the colony was a heavy tax to the parent country. In five years, preceding 1717, the balance against the country had been 125,000 livres. The government had been for a long time a monopoly in the hands of Crozat, a man immensely rich, but unable with all his wealth long to support such a losing concern. Under these circumstances, he gladly relinquished his patent, selling it, in 1717, to the Mississippi company. This company is well known in history to have had its origin in the famous bub-

ble, which the celebrated projector, John Law, had just blown up.

The mania of that scheme spread like an epidemic, and infected all France in its progress. The bubble soon burst, and that country rung with the groans of beggary, ruin and despair. But this monstrous mischief wrought great benefits to Louisiana. During the excitement of this scheme, which was to turn every thing into gold, 4044 colonists were added to the inhabitants; and 1446 African slaves were brought into the country, efficiently to commence agricultural labors. To furnish wives for the colonists, the charity and correction houses were emptied of their females, and poor girls were taken from the streets. Such kinds of colonists were not those, most calculated to struggle with the difficulties of a new colony in the woods. An added number of mouths were to be filled with food; and the inhabitants, in the supineness of their indolence, had been accustomed to receive it from beyond the seas.

The most gloomy year, which the colony had seen, was 1721, just after it had received the numerous recruits from the influence of the Mississippi company. Hunger, sickness, disappointment, despair and death, assailed the crowded population. No chance for supplies from the Spanish colonies remained; for, in 1719, war had been proclaimed between France and Spain. The capture of Pensacola from the Spanish, and its re-capture by them, has been related from the annals of La Harpe.

The only wise measure of French policy at this time was, to scatter the compact population into distinct and remote settlements. This policy they adopted. Some settlements were attempted, as we have seen, far up the Mississippi. Fort Chartres was established in the Illinois. La Harpe planted a colony on Red river. He made, too, an unavailing attempt to establish a colony on the bay of

St. Bernard. The steady and uncomproisable hostility of the savages in that quarter prevented the success of this attempt. They had even become so well acquainted with the upper country, as to be sensible of the importance of securing a strong position on the Missouri.

This progress of the French in Louisiana could not but alarm the jealousy of the Spaniards, whose settlements in New Mexico had now advanced to the immediate vicinity of the French on Red river. They had been so successful in the missionary stratagem, by which they had expelled the French from Texas, that they were now determined by similar means to expel them from Red river and the Missouri.

The French, with their peculiar felicity in ingratiating themselves with the savages, had already secured the friendship of many nations far up the Missouri, particularly of the powerful tribe of the Missouries, from whom that river has its name. The Missouries were engaged in a war with the Pawnees, who inhabited still higher up the river. The policy of the Spanish was to add their force to that of the Pawnees, and destroy the Missouries, the allies of the French, as a necessary preliminary to obtaining the ascendancy of the Missouri. A Spanish force set forth from Santa Fe, a Spanish town on a branch of the Rio del Norte, in the remote northern interior of New Mexico, towards the Missouri. They mistook their way, and instead of reaching the Pawnee towns, as they thought they had, they fell unconsciously on the chief town of the Missouries. The mistake was a natural one; for the two tribes speak the same language. They communicated their purpose without reserve, as thinking the Pawnees were their audience, and requested the co-operation of the Missouries to their own destruction. The crafty savages instantly penetrated the mistake of their enemies. They

preserved their customary unchangeable gravity of manner and countenance, and betrayed not the slightest surprise. They only requested time to call in their warriors, to consult them on the scheme. At the end of forty-eight hours, they had assembled 2,000 warriors, and fell upon the unsuspecting Spaniards, not only reposing in security, but meditating the destruction of these very Indians; and they murdered the whole company, with the exception of the priests, who escaped on horseback, and alone remained to report the destruction of the rest.

But although the project of the Spaniards was thus marred in this instance, it taught the French what enterprise and boldness of conception might accomplish another time, and warned them to anticipate their plans.—M. de Bourgement was despatched with a considerable force, and made the first establishment on the Missouri, above the mouth of the Osage river, probably, near what is now called *Cote sans Dessein*, where he built a fortification, called fort Orleans. In 1724, the French succeeded in bringing about a general peace among the savages of the Missouri. Soon after this peace, fort Orleans was attacked, destroyed, and all the French massacred. It was never known, by whom this bloody deed was instigated, or accomplished.

Of the only annals, that have come down to us, of the history of the intrigues with the savages by the French, Spanish and English, it can hardly escape the reader to reflect, that these records are apt to be colored according to the interests, prejudices and partialities of the different nations, by whom the accounts are preserved. Each nation will charge the instigation of crimes, assassination and guilt upon the other. The Chickasaws, a powerful nation on the frontiers of the Carolinas, and between them and the French settlements of Natchez and the Yazoo, were

almost invariably allies of the English. The Seminoles of Florida were generally in the interests of the Spanish at St. Augustine. Most of the tribes of Canada and the Mississippi valley were usually in the interests of the French.

One of the most memorable events in the early history of Louisiana is the massacre of the French among the Natchez, by that tribe of Indians, and the final extirpation of that tribe by the French. The history of this interesting tribe has been given us by their destroyers. We may therefore presume, that at least all the amiable traits, that are given of them, are true. They inhabited those delightful and fertile hills, that now constitute the better part of the state of Mississippi. Their traditions lead to the impression, that they had emigrated in ancient days from countries far to the southwest, probably from Mexico.— They were in many respects, compared with the tribes about them, a polished people. A few barbarous customs among them only indicate, that a cruel and bloody superstition can stain the manners of a people, in other respects peaceable and humane. They had laws, subordinate ranks, and institutions of various kinds. They were considerably acquainted with the use of their own medicinal herbs. They had an established worship, and a temple dedicated to the ‘Great Spirit,’ on the altar of which burned a perpetual fire. Their chiefs, like the Incas of Peru, derived their origin from the sun; and were held in such idolatrous veneration, that when about to be condemned to death, as we have seen, numbers of their subjects were still ready to offer themselves, as voluntary substitutes for them. They were a numerous people, commanding respect, and giving the law far up and down the Mississippi. Amidst the ancient forests of these fertile hills, they had wandered for the most part in peace, con-

tent with the simple gifts of nature. The admission of white men among them was the era of their doom.

The French both courted, and dreaded this formidable people; and of all their allies they had been most perseveringly faithful. They had aided them in all their projects; and, more than once, by the supplies, which they had furnished the French, had saved them from famine. The outrage, that is now to be related, is the more memorable from the circumstance, that the French were generally noted for being lenient, faithful and just in their intercourse with the savages. No doubt, that these were the true secrets of their general ascendancy among them.

The cause of the quarrel, that ensued between the French and Natchez, was of the most trivial character. A soldier of the garrison of fort Rosalie alleged, that an old Natchez warrior owed him corn, and demanded immediate payment. The Indian replied, that the corn was yet green in the fields; and that as soon as it was sufficiently ripe, he should be paid. The soldier persisted to demand prompt payment, threatening him with a beating, if he refused. Even the threat of being struck is ever insupportable to an Indian. The old man sprang incensed from the fort, and challenged the soldier to single combat. The soldier, alarmed by the rage of the Indian, cried, murder! The warrior on this, and seeing a crowd collecting, retired slowly towards his village. One of the guard fired upon him, and he was mortally wounded. No enquiry was made, or at least no punishment inflicted on him, who had committed the outrage. All the revengeful feelings, natural to savages, were called up on the occasion. The Natchez flew to arms, and the French were assailed on every side, and many of them fell. The Stung Serpent, an influential chief, interposed his authority, and the slaughter ceased. A new treaty of peace was the result of the dis-

casion, that ensued, and the whole affair seemed to be buried in oblivion.

Soon after this, in the year 1728, under different pretexts, several hundred soldiers were secretly introduced into the settlement, and the defenceless and unsuspecting Natchez were slaughtered in their huts. The head of the first chief was demanded, as the price of peace, and the wretched Natchez were obliged to yield to the demand. The slaughter had continued four days, before peace was granted them. This was a deed, of course never to be forgotten, nor forgiven by the savages. They saw at once, that there now remained no alternative between their own destruction or that of their enemies. They were moody, pensive, timid and slow; but they were sure in devising the means of vengeance.

Things remained in this situation, until 1729. At this time, M. de Chopart, who had been the chief agent in these transactions, and who was excessively obnoxious to the savages, had been ordered to New Orleans, to meet an investigation of his conduct, touching this affair. The joy of the savages was great; for they hoped, at least to be delivered from his enmity and oppression. To their despair they learned, that he was justified, and reinstated in his authority. He seemed on his return more vindictive towards them, than ever. To manifest his ill feelings, he determined to build a town, two miles below the present site of Natchez, on ground occupied by a large and ancient village of the Indians. Accordingly he sent for the sun chief, and ordered him to have the savage huts cleared away, and the inhabitants dispersed. The chief replied, 'that their ancestors had dwelt there for ages; and that it was good, that their descendants should dwell there after them.' The order was repeated, with a threat of destruction, if not obeyed.

The Indians dissembled; and remarking, 'that the corn had just come out of the ground, and that their hens were laying their eggs, and that to abandon their village at that time would bring famine both on them and the French,' requested delay. All, that they could obtain of the haughty commandant was, to delay until autumn, on condition, that each hut should bring a basket of corn, and a fowl, as a tribute for this forbearance. The savages met, and held councils in private; and the unanimous result was, to make one final effort, to preserve their independence and the tombs of their ancestors inviolate. The Chickasaws, the allies of the English, and the natural enemies of the French, were invited to take a part with them in their meditated vengeance upon the French. The Chickasaws eagerly consented; but by the treachery of one of their women, probably, in the interest of the French, were deceived as to the day, and did not arrive, until after the blow was struck. The massacre of the French was arranged to take place on the time, when the Natchez should be admitted among them, to pay their tribute of corn and fowls. M. de Chopart was warned by a woman, probably attached to some Frenchman, of their approaching doom. But the evil star of the French prevailed, and the commandant, instead of arousing to caution, punished the informer.

The fatal period for the breaking forth of the smothered vengeance of the savages came. The last day of November, 1729, the 'grand sun' with his warriors repaired to the fort, with the promised tribute of corn and fowls. The soldiers were abroad in perfect security. The savages seized the gate, and other passages, by which the soldiers were excluded from their arms. The garrison was filled with warriors. The houses in the country were occupied, by previous concert, at the same time. It was a general

massacre. None were spared, but the slaves, and some of the women and children. Such was the abhorrence and contempt of M. de Chopart, that the chiefs would not kill him, and he was slain by one of the meanest of the Indians. Of seven hundred people, scarcely enough survived, to carry the tidings of the destruction to the capital. All the forts, settlements and inhabitants on the Yazoo and Washita shared the common fate of massacre and the flames.

Consternation at first pervaded the capital. But the French soon put every engine in operation, to retaliate. The Chickasaws, thinking themselves mocked by the Natchez, in being deceived as to the time, when the blow was struck, on the French, in resentment for not being at the massacre of the French, were ready to join the French, to extirpate the Natchez. Fifteen hundred Chickasaws joined themselves to a detachment of French troops, aided by cannon. The Natchez had fortified themselves; but on the appearance of this formidable force, and the discharge of the cannon, they humbled themselves, to sue for peace. They offered to restore the French prisoners in their possession; and forsake their country for ever. M. de Lubois, anxious to save the prisoners, consented to put off the attack until the next day, provided that the prisoners were given up. The following night, they deserted the fort, in a silence so profound, as not to disturb their enemies. They crossed the Mississippi, and ascended Red river to a point, not far from where Natchitoches is now situated. The French pursued them, headed by M. de Perrier, with cannon. They had fortified themselves; and in their last fastnesses they fought with the desperation of men, who were ready to die. They sallied out, and attempted to cut their way through the besieging force in vain. It was useless to contend with the strength, that

surrounded them. The women and children were enslaved at home; and the males were sent, as slaves, to St. Domingo. Thus utterly perished the once powerful tribe of the Natchez.

The Spaniards had been long in the habit of using multitudes of Indians of the islands, as slaves. The practice had been far from being common among the French, in regard to the Indians of Canada and Louisiana. For some time, even the Spaniards had desisted from the practice. The benevolent Las Casas had labored with the Spanish monarch and the priests, until his reasonings, or his eloquence had convinced them, contrary to their pre-conceived opinions, that the Indians had souls. Millions of these persecuted beings had been slain; and other millions reduced to bondage, before the Spanish government acted upon this conviction. The planters and cultivators, in the sultry climates of the Spanish colonies, conceived that they must have slaves. The guardian and patron of the Indians had caused the practice to be suspended, in relation to them. The consequence was, that the curse fell upon another race, equally unoffending, in another hemisphere; and the blacks were torn from Africa, to sweat, not for themselves, in these burning climates. Yet horrible as this traffic is, it is a striking fact, that it had its origin in perverted and misapplied humanity. Las Casas preached humanity to the Indians; and the fetters were knocked off from one race only to be rivetted upon another. This detestable traffic was started, indeed, by the Spanish. We find their evil example soon followed by the French. Even our own ancestors, pious and humane, as we esteem them, were no way behind their Catholic examples, in their readiness to introduce black slaves into our hemisphere.

The Mississippi bubble, which had embraced the king, the nobles, the priests and the populace, the banks and the

mint, in short all France, and filled the whole country with the frenzy of avarice, and the mad credulity of speculation, when it burst, spread misery and bankruptcy on every side. The amount of stock created, and on which there was almost an entire failure, amounted to more than 210,000,000 of dollars. The public treasury, indeed, by a management, that would not, perhaps, bear a strict examination, gained from the general ruin. To Louisiana this scheme, on the whole, was highly beneficial. While its credit was still at its height, and the fictitious capital in abundance, this country, on which the plan was based, increased in inhabitants, means, consequence and estimation; and when the bubble burst, the colony was already erected on such stable foundations of prosperity, that it went on to increase, by the developement of its own natural resources.

We have remarked, that the first settlements of the French were on the Perdido, at Biloxi, and on the Mobile. After the founding of New Orleans, it could not but happen, that the more fertile country, connected with that town, would grow more rapidly, than the country first settled. But although the Mississippi country grew at the expense of the Perdido, garrisons were still kept up on these waters, and a new one established on the Tombigbee. It was designed to awe the Chickasaws, and prevent the encroachment of their allies, the English, from Carolina. The French spread their posts on all sides. An extensive trade with the Indians began to acquire system. A lucrative trade was opened with the islands. The rich products of Louisiana began to find their way to foreign markets. A war, with the Chitimaches, and a conspiracy of the African slaves, were both quelled by the promptitude and energy of the colony.

Meanwhile the Chickasaws, whose country bounded on the English settlements in Carolina, and who had been steadily attached to their interests, had been long obnoxious to the French, who were waiting for an opportunity to make them feel the weight of their resentment. A double motive stimulated them to this wish. The one was, to drive the English from among them, and secure their trade. The other, to abridge the concurrent influence of the English and the Chickasaws among the other tribes in their vicinity. A pretext offered, and the French seized it with avidity. A few of the Natchez Indians, who had escaped the general massacre, had fled to the protection of the Chickasaws, and were incorporated with that tribe. These Indians, in 1736, were demanded by Bienville, and, as he foresaw, the demand was refused. He marched up the Mobile against them, with a very considerable force. It came to a battle, and the French had the worst of the conflict, and were obliged to make a disgraceful retreat. At the same time, the Chickasaws had been assailed on their northern borders by the French from the Illinois, to make a diversion in favor of Bienville. These, also, were compelled to fly. It is related as a ludicrous circumstance, that the Illinois French, when they marched up to fight the Chickasaws, suspended wool sacks in front of their bodies, as a shield against the arrows and balls of the Chickasaws. The circumstance excited great glee among the English and Indians, who fired at the legs of these pastoral people, who evinced their value of legs, and the uselessness of wool sacks, by running with their best speed.

Bienville undertook another campaign against them, with a still greater force. It was as unsuccessful, as the former. It is said, that his force on this occasion was the largest, and best appointed, which had ever been seen in

Louisiana. So completely was it reduced, chiefly by famine and desertion, that he was compelled to sue for peace. He obtained a tolerable one only through the ignorance of the enemy of his weakness.

From this peace to the commencement of the war between France and England, in 1754, few events occurred in Louisiana, that properly belong to these annals. The French government had become sufficiently aware of the value of the fertile soil and mild climate of upper Louisiana. There were few disastrous ruptures with the Indians. The colonists were enabled to extend their settlements without interruption. The French fixed their villages in the shade of deep forests, on the fertile prairies, the banks of streams, or at spring sources, as best suited their fancies. The wilderness and the prairies presented a boundless choice. They negotiated marriages, or temporary connexions with the young women of their red brethren; and the mixed races, which we now see in their settlements, were the fruit. Their ambition was gratified by managing their influence, so as to keep up a balance of power among the savage tribes, of such a kind, that their weight in the opposite scale was sufficient to make it preponderate. Unlike the English cultivators, who generally preferred range, or a wide space in the wilderness, the French commonly established themselves in compact settlements, with such narrow and huddled streets, that they could carry on their nimble conversations across them.—The grand business of the young men was to navigate the almost interminable rivers, to hunt small adventures, trade and consort with the Indians to procure furs. They were mostly clad in skins. Their houses were furnished, their couches made, and their tables supplied from the spoils of the chase. Their evenings, on their return, were spent in dancing, in intercourse with the savages, and

in relating long stories of their voyages, adventures and exploits. Such is a brief outline of the modes of existence in Kaskaskia, Cahokia, Vincennes, St. Genevieve, the post of Arkansas, Natchitoches on Red river, and Natchez on the Mississippi. At the capital there were always a certain number of people of family and education. There was a kind of court, a theatre, and the semblance of amusements of a higher order. The people contemplated their rural countrymen in the woods about at the same distance, and with the same estimation, with which themselves were contemplated by the circles of Paris.

Many of the immigrants had been gentlemen; and most of them had been military characters. Some of them were of noble origin. The first settlers were, probably, of better family, as that matter was then rated, than those of any other colony in North America, save the colonists of Mexico. It is, perhaps, a fortunate trait in the French character,—certainly it was an amiable one, that such men could so readily associate with savages; and make themselves so gay and happy in these remote and unpeopled deserts, where they only heard from France once or twice in a year. They had their packs of dogs, their guns, their Indian beauties, and the range of an unexplored world, to fill their desires and their imaginations. Their descendants speak of these ancient ‘residenters,’ as a superior race of mortals, and of these times, as a kind of golden age.

From New Orleans and Mobile, at this period, the exports were considerable, and consisted of cotton, indigo, peltry, furs, hides, tallow, pitch, tar, ship timber, and other raw materials. The Mississippi coast was beginning to be that beautiful and cultivated country, which it has since become. The agriculture and exports were steadily advancing, until the country was ceded to Spain.

The origin of the war between France and England was a dispute about the boundaries of their respective claims in this country. The English claimed from the Atlantic to the St. Lawrence. The French claimed all the country west of the Alleghanies, or the valley of the Mississippi. Mutual collisions of boundaries, jealousies, encroachments, intrigues with the Indians, and attempts to supplant each other in their affections, were sufficient grounds of war. The French, with great sagacity of foresight, had at once explored, and opened the communications between Canada and Louisiana. An almost unbroken water communication, of an extent without a parallel on any other part of the globe, existed between these distant regions. This communication seemed to offer the means of hedging in the English power, and of prostrating their growing empire in the new world. This chain seemed the string of a bow, which they could draw upon their enemy. They had strengthened, and extended this communication by a chain of posts, portages, and intermediate roads, and by alliances with the savages. These measures might have a natural pretext of being intended only for a necessary and peaceful intercourse between the distant points of their colonies. They were silent and unostentatious measures, and not intended to alarm the jealousy of the English. Before the latter power was aware, there was a chain of communication between Quebec and New Orleans, affording such a quick and easy transit from the one place to the other, as can hardly be conceived, except by a person intimately acquainted with the country.

The possession of no point in the West was so vital to the success of the plan of circumscribing the English for ever within the limits of the country east of the Alleghany mountains, as that, where the Alleghany and the Mononga-

held meet to form the Ohio. This river had been thoroughly explored by the French, and its proximity to the English settlements ascertained, so early as 1749. To secure this point, their chief reliance here, as elsewhere, was upon extending their influence among the savages, securing their trade and alliance, and thus supplying the means of wealth and power to themselves, and annoyance to their enemies. The English, more liberal, abundant and constant in the supply of articles for the Indian trade, had, from that circumstance, very considerable facilities of counteracting that influence. With a view to extend an influence of this sort, the English formed the Ohio Company, as a counterpoise to the influence of the French traders in that quarter. To cover the designs of this company, an impolitic grant of lands to a considerable extent was made to it; and both the grant and the charter were sanctioned by the British government. The jealousy of the Indians was alarmed by the prospect of losing their lands; and the settling among them of such powerful neighbors was a circumstance, that the French would not fail to paint in its most alarming light. Violent charges of encroachment were first made; and soon after, the traders of the Ohio Company were seized, and their property confiscated. The French availed themselves of this event, to anticipate the purposes of the English in this quarter, and to establish new forts and settlements at Niagara, and Riviere au Bœuf, a water of the Alleghany; and at the point, most important of all, where that river joins the Monongahela, and forms the Ohio.

These measures at length aroused the English cabinet. Orders were sent, in 1754, to the governors of the different colonies, to furnish their respective quotas of men, to drive the French from the Ohio. The charge was entrusted to our Washington; and here he commenced his career of

honor. With the rank of colonel, he was detached from Virginia, with 400 men, to secure and fortify a position on the Ohio. He was met, and attacked by a superior force of French and savages; and was obliged to capitulate.— He suffered severely from the Indians, on his return from this expedition. Both nations complained. Both saw, that war was inevitable; and the French prepared themselves by sending out forces to Canada, and putting their forts there, and in Louisiana, in the best possible state of defence.

In 1755, general Braddock arrived from England with a considerable body of troops. They were aided by a force of provincials, under the command of Washington. The united force marched over the Alleghany mountains by slow and laborious marches, to attack the French fort at the head of the Ohio, called fort Du Quesne. Braddock advanced in the practice of all the tactics, and blinded by all the prejudices of a general, accustomed to the systematic warfare of the level and cultivated countries of continental Europe. Thus he moved his square battalions over the logs and the ravines, and through the deep forests west of the mountains, until he arrived within a few miles of the fort. The French and Indians had spread an ambuscade, like a concealed net, which was covered from view by the trees. The British general, rejecting the advice of his provincial allies, and of Washington, who were better acquainted with the wiles and perils of Indian warfare, marched in proud and undoubting reliance upon his regular tactics, into this ambuscade. The first conviction of his temerity was in a general discharge upon his advance, from behind trees, and other coverts, from an invisible enemy. A more murderous action has seldom occurred, in proportion to the numbers engaged. It was to no purpose, that the British formed themselves into hollow

squares, and drove their concealed enemy by the bayonet a little before them into the forest. They retreated, only to present themselves in front anew. A great proportion of the regulars were either killed, or wounded. Such was the fate of almost all the officers. Among them was general Braddock, who paid for his temerity by receiving a mortal wound, of which he died in a little time. Washington exhibited presages of his future character, as a general. He was calm, fearless, and self-possessed. Two horses were killed under him; and four balls passed through his coat. 'I expected, said doctor Craik, an eyewitness, every moment to see him fall. His duty and situation exposed him to every danger. The superintending care of Providence seemed to have saved him from the fate of all around him, that he might accomplish the great achievements, which were before him.' It seems to be generally admitted, that the bringing off any part of the forces from this murderous battle was owing to the skill and management of Washington.

The disasters and defeats, that attended the British efforts, stimulated them to redouble their exertions. Under a popular ministry, the war was conducted with different auspices. On the plains of the heights of Abraham, the great question was soon decided, which should be the dominant power in North America, France, or England. Both the brave men, who led the troops of their respective nations, fell,—Wolfe in the blaze of victory and glory, and Montcalm, equally heroic in his misfortune and his fall, though far less known to British and American story.—Both nations have perpetuated the remembrance of these great men by monuments of marble, and the more glorious and durable records of history. Who can tell the color of the events, that were suspended on the issue of that memorable combat? Who can foretell the consequences,

that would have resulted from a different issue of the battle?

As it was, this battle was decisive of the fate of Canada. But though the French lost their whole ascendancy in the north, they neither ceased to possess, nor exercise their influence over the savages in Louisiana. In 1760, the Cherokees were instigated to fall on the English traders and settlers among them, whom they pillaged, and slaughtered without mercy. A force of 1200 provincials from the Carolinas marched into the Cherokee country, and severely avenged this massacre. They defeated the savages, burned their habitations, and destroyed their provisions. As soon as the American force had left their country, the savages assembled in their turn, and laid siege to fort London, on their frontiers, and as has generally happened in such capitulations with the Indians, the terms of the capitulation were violated, and most of the brave men, comprised in it, put to death. Attack and reprisal, on the face of it, are the ordinary aspects of Indian warfare. But history can seldom go into the details of this dreadful business. They form the background of the picture. The sickening terrors of apprehension, fashioning uncertain ills, the nightly listening of women and children to the noises of the forest, the horrible reality of the savage war-whoop, the insatiate fury of the scalping knife, the infant dashed into the flames, the male parent roasted at a slow fire, the mothers carried into a captivity worse than death; some, or all of these horrors, were but too common circumstances of these wars, that have perished from history. That we might exercise forbearance and justice towards the savages, perhaps it were better forgotten, that all the beginnings, in this great land, both east and west of the mountains, were under all these apprehensions, and often under these endurances.

The war closed in Europe and America between the three great contending powers; and a treaty of peace was concluded between France and Great Britain, February the 10th, 1763. France, defeated both by sea and land, had never been so completely humiliated. She had solicited peace, and it was dictated to her on the terms of Great Britain. She ceded Canada, and all her possessions east of the Mississippi,—that is to say, her most ancient and opulent possessions in America, to that power. It appeared, that on the November preceding, she had ceded all the country west of the Mississippi, with the city and territory of the island of Orleans, to Spain. Prior to this, the whole region east of the Rio del Norte, north of the gulf of Mexico, west of the Alleghanies, and south of the lakes, together with the country at the sources of the Mississippi, Missouri and their tributaries, had been called by the general name of Louisiana. That part of the country, ceded to the English, lost the name. That part of it, ceded to Spain, and west of the Mississippi, still retained the name. The fate of the Louisianians was made known to them, April 21st, 1764, in a letter addressed to them by the French commandant, M. de Abaddie. It was couched in affectionate terms; and assured them, that the functions and offices, civil, judicial and ecclesiastical, were guaranteed to continue, as they had been.

This letter produced a great excitement, and the people were thrown into a general ferment. When Don Ulloa arrived, in 1766, with Spanish troops, to take possession of the country, Aubry, who at that time exercised the functions of French governor, refused to acknowledge him.—The people, attached by every sentiment to their own country, complained, that they were transferred without their consent; and in these moments of irritation, Aubry gave countenance to their opposition. Ulloa was opposed by the people in arms; and was obliged, with his forces,

to measure back his steps to Havanna. Things remained in this situation, until the 17th of August, 1769; when O'Reilly arrived, and took peaceable possession of the government for the Spaniards. He selected twelve of the most distinguished partizans, who had opposed the Spanish occupation of the government. Six of them were consigned to the halter. The other six, whom he affected to consider less guilty, were doomed to the more terrible punishment of the dungeons of Cuba. This commencement of his government, in the spirit of a Turkish despot, who had dispossessed a rival, will never be erased from the remembrance of the French of this country.

Notwithstanding the horror excited by this deed, the Spanish authorities were quietly established to the remotest points of the colony. As governor general, O'Reilly had supreme authority, civil and military. As intendant, he granted lands, and prescribed the forms and the amount of concessions of lands, to be made by the subordinate authorities. He was, also, supreme in the treasury and Indian department. His power, in short, was absolute in all respects.

In 1764, the English took possession of Florida, according to the stipulations of the treaty of peace. A British regiment, on its way to Natchez, was attacked by the Tunica Indians, near where fort Adams now is, and was entirely defeated. Major Loftus, who commanded this regiment, was killed in this affair, and gave name to the conspicuous heights, where he fell. The bones of those, who were slain in this action, were long after brought to light by the crumbling and washing of the bluffs.

The Spanish, as we have seen, commenced their regime in Louisiana under auspices of ill omen. Their first acts of wanton cruelty excited sensations of terror and abhorrence. But the French, seeing no prospect of escape from

this government, and finding themselves connected with a people, whose laws were nearly the same as their own, and united by the strong tie of a similar worship, and abandoned by the mother country, settled down to the quietness of submission to their lot. In fact, the Spanish governor showed himself deficient neither in energy, activity, nor capacity in the organization of the government, and in taking measures for its protection and advancement. The French code was partly abolished, and the Spanish colonial system introduced with modifications. The subordinate offices were filled with Frenchmen. This generosity was, indeed, a matter of necessity; for there were no Spanish, capable of filling these offices, in the country. But it had the desired tendency to soothe the feelings of the people, and secure their fidelity.

Eight or nine tranquil years succeeded in the annals of Louisiana, of which history has little to record. The French in the upper country were, as formerly, paddling their hunting crafts along their streams; and their wives and daughters engaged in their voluble conversations and rural pursuits at home. Their settlements were quietly and slowly expanding in the wilderness. The English settlers about Natchez had begun to grow cotton to a considerable extent; and the cultivation was beginning to be a source of ample revenue. Some time about the year 1772, sugar cane was introduced into the Delta of the Mississippi, at first, as an agricultural experiment; but it was soon found to thrive. An additional number of slaves was introduced, and sugar became one of the principal exports of Louisiana. The amount of peltries exported was a very considerable item; and the Indian trade generally was prosperous.

At this time, the inhabitants of these remote forests began to hear of the American revolution. It placed the

people of Louisiana in a perplexing dilemma. England was their natural enemy, and they must rejoice in the prospect of her humiliation. The French government held out, too, as lures to induce them to make common cause, the prospect of regaining their lost possessions in the old world, and the Floridas in the new. On the other hand, the new doctrines of freedom and independence broached by the British colonies, were words of ill omen in the ears of Spanish colonists, placed in a position of peculiar exposure to the contagion of their example. The desire of conquest prevailed over fears, which were merely speculative. They commenced the war, as allies of France. The British colonies of Florida were thus placed between two fires,—the new states on the one hand, and the Spanish colonies on the other. These colonies, isolated, and expensive beyond their value, involved no British interest, but honor. But the British government has not been used to relinquish useless colonies, merely from considerations of interest. Mobile, Pensacola, St. Augustine, Baton Rouge, Natchez, and some posts of less importance, were fortified, and reinforced; but not, as it afterwards appeared, to a sufficient extent. Past events had taught the British to entertain a contempt for Spanish prowess, which after events showed, in this case, to be ill-founded.

Galvez, the Spanish commandant of Louisiana, was daring, ambitious, prompt, and the issue of his movements proved him to be intelligent. He meditated the conquest of Florida; and he took his measures with secrecy and address. He presented himself on a sudden before Baton Rouge, with 2,300 men, and a train of battering cannon. The garrison consisted of 500 British, under colonel Dickson. Such a movement, by an enemy so despised, must have excited the utmost surprise in the English. Galvez

proved, that he was in earnest. His cannon played upon the fortress. The British troops were sickly. After a small loss in killed and wounded, the garrison capitulated, including Natchez in the capitulation; and the captured troops were allowed to pass to Pensacola.

Flushed with this success, Galvez sailed, in 1780, with a considerable armament against Mobile. His fleet was overtaken by a storm in the gulf. One of his armed vessels stranded, and his provisions and ammunition were wet, and rendered useless. In this wretched plight, he did not despair; but landed, with as much show as possible, near Mobile. Had the English attacked him, at this juncture of weakness, the expedition must have been defeated and ruined. Galvez had even made preparations to abandon his artillery and munitions, and retreat on New Orleans. Surprised and encouraged by the want of foresight, or the timidity of the English, he began to resume courage. His stores and ammunition had been carefully dried; and he boldly marched against Mobile. The place was defended by militia and regulars. Six batteries were erected by the Spanish, which played upon the town and fort. A practicable breach was soon made in the fort, and the garrison capitulated. The English, in this quarter seem to have been guilty of unwonted indolence and indecision. General Campbell was at Pensacola, distant short of sixty miles; with a force sufficient to have driven the Spanish into the sea. When at length he was aroused to march to the defence of Mobile, it was in the hands of the enemy, before he arrived.

The capture of Mobile, it should seem, almost unexpected to themselves, induced great exertion on the part of the Spanish, to finish the conquest of Florida by the capture of Pensacola, the only place of any importance now remaining to the British in West Florida. A for-

aidable fleet, under admiral Solano, sailed from Havanna, with 12,000 troops on board. It was the most powerful armament, that had yet appeared in these seas. Sickness and storms caused this fleet to experience a catastrophe, almost like that of the famous Spanish 'grand armada.' Meanwhile, Galvez had made two unsuccessful attempts upon Pensacola, and had repaired to Havanna for forces and supplies. He obtained them from the remains of the fleet of Solano; and in February, 1781, he set sail with a strong military and naval force. The ill-fated fleet was again assailed by a violent storm. Some of the heavy ships were sunk, and he was compelled to return with the fleet to Havanna. The fortunate arrival of some store ships from Spain enabled him to repair his losses. On the 9th of March, the Spanish fleet entered the bay of Pensacola. The ships of war were repulsed in their first attempts to enter the harbor. Notwithstanding a severe cannonade by the English, they finally succeeded. Some Spanish troops, who arrived the following day, were severely handled, in attempting to enter the harbor. The town was soon invested by sea and land. The British were exposed to a most destructive cannonade, which sometimes drove the soldiers from their guns. They conducted, however, with great gallantry, and no thoughts of capitulation were entertained, until one of their magazines was blown up, by the explosion of a Spanish shell. This so destroyed their works, that a free passage was opened into the town. The Spanish had suffered so severely by the British fire, that they were willing to offer favorable terms of capitulation; which were accepted. The prisoners retired where they pleased, only engaging not to serve again during the war. The Spanish lost a considerable number of men during the siege. The British had one

hundred killed, and a much greater number wounded.— The capitulation included a thousand prisoners.

While the siege was pending, a fleet appeared in the offing. Besiegers and besieged supposed it to be an English fleet. So entirely was Galvez persuaded of it, that he meditated to abandon all that he had gained, and to retreat to Mobile. He soon discovered the fleet to be French. But the news of the relief of Pensacola had flown through the country to Natchez; and the people were so confident, that the Spanish would be compelled to relinquish all, which they had gained, that they rose on the Spanish garrison in Natchez. Intelligence of the fall of Pensacola soon undeceived them. The leading men in the insurrection fled, and a reward was offered for their scalps; but it does not appear, that any were brought in.

Upper Louisiana had, for the most part, reposed in profound peace, during all this turmoil. An expedition was started from Michilimackinack, in 1780, against that country. It was composed of hordes of savages, amounting to 1,500, and one or two companies of English. It was chiefly destined against St. Louis; and is still remembered with shuddering recollections by the peaceful French inhabitants of that country, under the name of '*l'aprice du coup*.' Sixty of the inhabitants had been slain, and thirty made prisoners, when the gallant American, general Clark, appeared on the opposite shore of the Mississippi, with a considerable force. The view of this respectable armament of Americans struck the Indians with astonishment. They had no idea of meeting, or fighting any people, but French; and they charged their allies with deception, in thus leading them to combat with a people, who spoke the same language with the English. In terrors, lest the jealous savages would turn upon them, the English secretly abandoned them, and both parties made the best of their

way to their homes. Unfortunate projects are apt to be disavowed. The British government disavowed the expedition, and the private property of the commander was seized to defray the expenses of it.

This general war terminated in 1783. The issue of it to Great Britain was far different from the war, so glorious to that country, which preceded it. While the country along the Atlantic shore was acknowledged free and independent, East and West Florida in this quarter were relinquished to Spain. The British only retained Canada.

The incident of the appearance of general Clark, on the eastern bank of the Mississippi, in pursuit of the English and savage expedition against St. Louis, recalls our attention to events of interest, that occurred during the American revolution, in the country on the Ohio. The legislature of Virginia, under whose jurisdiction this country was considered to be, voted, in 1778, to raise a regiment of infantry and a troop of cavalry, for the defence of the wide frontier of that state. They gave the command of it to George Rogers Clark, a kinsman of the distinguished companion of Lewis to the sources of the Missouri, and afterwards governor of that territory. He marched with the force assigned to him, through the wilderness of the Ohio, to Kaskaskia; and surprised, and took the town. The French settlements, in what had hitherto been called the Illinois, placed as they were between enemies on every side, and accustomed to long habits of peace, had preserved a kind of doubtful neutrality; yet, as they were considered British possessions, and as they were resorts for hostile savages, it was deemed a matter of wise precaution, to subject them to the American government.

At Kaskaskia, general Clark received intelligence, that governor Hamilton, from Detroit, had arrived at Vincennes,

one of the most ancient settlements, which the French had made east of the Mississippi, with a force chiefly composed of Indians, amounting to 600 men, and destined against the settlements of Pennsylvania and Virginia, west of the mountains. Hamilton was unconscious, that general Clark was between him and the Mississippi. He reposed in perfect security in Vincennes; and had detached his Indians in marauding parties among the American settlements on the Ohio, reserving for the defence of the town only one company, and a few cannon. General Clark determined to surprise him, although it was mid-winter, and the weather uncommonly severe. He fitted out a barge with two small cannon and four swivels. The barge was obliged to make her way through floating ice, under circumstances, that would have deterred any other man from making the attempt. In February, he set out, amidst the storms and deep snows, with 130 men, to make his way by land, to unite with the force, that he had sent round by water. The hardships, that he endured, and the difficulties he surmounted, can be credible only to those, who know the habits of backwoods men. In crossing the drowned lands of the Wabash, they were forced to wade five miles through the water and ice, sometimes as high as their breasts. They appeared at length before Vincennes; and as fortune awarded it, almost simultaneously with their barge. Their appearance was so unexpected, and their array so formidable, that Hamilton, in surprise and consternation, at beholding such an enemy at such a season, surrendered the garrison prisoners of war, without firing a gun. This commander had been justly detestable for the atrocities, practised by the Indians, either by his instigation, or permission. General Clark was ordered by the governor of Virginia to detain him, and his subordinate instruments

and counsellors in these nefarious transactions, close prisoners in irons.

This daring and successful achievement drew after it a train of important consequences. It broke the chain, which the British were attempting to form behind our frontiers. It awed the French inhabitants, and gave us the command of the country quite to the Mississippi. It unkennelled the savages from their lurking places, and detached them from their alliances; and it gave us a fair claim in the definitive treaty to the boundary, which we obtained to the eastern bank of the Mississippi.

At this period, Kentucky had begun to be settled.— There was a general impulse in the Atlantic country to explore the fertile regions of the West. But all the present countries of Ohio, Indiana and Illinois, except the ancient French establishments, was one wide and unbroken wilderness, inhabited only by savages and wild beasts. The few settlers on the south side of the Ohio, during the revolutionary war, suffered every thing, but death, from attacks, and apprehensions of attacks from the savages. They had escaped the ravages of the British troops from Canada, only by their remoteness and estimated insignificance. The inhabitants of these regions very soon occupy, as we shall see, the principal place in the history of the West. Those brief notices, which the conciseness of our plan admits, of the origin and progress of the American settlements in this valley, will best be given under the head of the states, where they were made. To bring these concise annals down to the present time, we shall hasten to relate the more prominent historical incidents of the Mississippi valley.

The terms of the peace opened a wide field of controversy between Spain and the United States, which continued to be agitated with no small degree of asperity for

twelve years. Great Britain ceded the Floridas to Spain, without any specific boundaries; and by another treaty of the same date, ceded to the United States all the country north of the thirty-first degree of north latitude. But the northern boundary of West Florida, at the peace of 1783, was the Yazoo, in $32^{\circ} 28'$ north. This boundary had no existence under the French government. What was afterwards called West Florida was included under their regime in Louisiana. Besides, in the treaty of 1763, the Spaniards possessed West Florida, a conquest from the English. Hence the Spanish claimed, that the English had made an antecedent conveyance to them of all the country south of the Yazoo.

Another point of more vital importance to the West was left involved in dispute. The United States claimed a common right with the Spanish to the navigation of the Mississippi. The latter power contested that right. The United States averred, that Great Britain had vested in them all her previous rights in the country ceded to them. By the treaty of 1763, it was stipulated, that the British and Spanish were to possess the right to navigate that river equally, and in common. Spain rebutted this claim, by asserting, that the conquest of West Florida from the British had acquired for her the sole jurisdiction in that river, in its whole distance below the northern limits of West Florida. She utterly denied, that the United States possessed the least shadow of claim to the common navigation of that river from the point, below where it ran wholly in her territories. On such wretched cavils are generally founded the quarrels of states.

Many other reasons may easily be imagined, why Spain should wish to exclude the Americans from those waters. She was aware, that the country on the Ohio, which was peopling with great rapidity, would pour down an amount,

and a quality of produce, to exclude her own subjects from the market. It would furnish an opportunity, to imbue them with revolutionary principles, and sow among them the seeds of revolt. She dreaded their rapid increase in population, power and resources. The Ohio and Mississippi were broad and open highways, by which they might assail her. The navigation of the Mississippi would show the wealth and the weakness of the country. It would not only point out the way of approach to it, but would bring down a mass of the hardy and adventurous boatmen among them, to furnish the materials of assault and conquest. Besides, in the general anarchy, which she predicted would prevail in the newly severed British provinces, she contemplated the annexation of some or all our western territories to her dominions. So long as she held the exclusive navigation of the Mississippi, she had it in her power, at any time, to offer an immense boon to that part of these territories, which should first attach themselves to her.

Kentucky, in 1785, contained 12,000 souls. The number was increasing with unexampled rapidity. In her delightful soil and climate, a rapid accumulation of produce, far beyond consumption, was the natural order of things. There were no roads to the Atlantic market. Even had there been, they could raise nothing west of the mountains, that would pay the expenses of transport. A vast wilderness, a wide range of mountains, and six hundred miles interposed between them and the capital of their state.—The ‘occlusion’ of the Mississippi by the Spanish barred their descent to New Orleans. There were not wanting enough to state to them, in this state of things, and the irritated and impatient temper of their minds, that the United States were disposed to acquiesce in this order of things, at least for a term of years.

A convention had already assembled at Danville, in Kentucky, to deliberate on the project of forming a new state out of that part of Virginia, which was west of the mountains. The parent state, instead of wishing to retard, generously manifested a wish to accelerate the event. A majority of the members of this convention was not yet disposed to accede to the measure. A second convention was formed, in 1788. It agreed to petition congress. The petition demanded a redress of their grievances; particularly that, which shut them from the navigation of the Mississippi. The warm remonstrance of congress, weak and inefficient, as the confederation then was, produced from Spain a temporary relaxation of that restriction. But she took care, that it should be understood, that it was granted partially, for an uncertain time, and as an indulgence, and not as a right. The western people justly considered this a very inadequate concession; and it was far from removing the causes of discontent and complaint. Among a hardy, full fed race of hunters, with warm blood in their veins, abandoned in their forests by the mother country, and left to think and act for themselves,—that is to say, among such a people as the Kentuckians, it was not to be expected, that there would not be fierce disputes, and very different remedial projects contemplated.

Some have undertaken to enumerate no less than five distinct parties among the people at this time. The first party advocated an independent government in the West, and a commercial treaty with Spain.

The second proposed to annex Kentucky to Louisiana. This scheme had of course all the aid of Spanish influence, intrigue and gold.

The third proposed to make war with Spain, and seize on New Orleans.

A fourth party wished to continue a part of the American confederacy, and advocated such a semblance of menace and invasion, as would extort from the fears of Spain, permission to navigate the Mississippi.

The fifth wished Louisiana to become again a colony of France, and that Kentucky should make a part of that government.

It was clear, that all the relaxation of the Spanish government, exercised from time to time, on the restrictions of the navigation of the Mississippi, was extorted simply from her fears, or her sense of her interest. She equally feared, and disliked the western people; and could not but contemplate their rapid march to consequence with jealous apprehension. She occasionally varied her mode of operations, adopting such measures, as would excite jealousy and disunion among the people themselves; carefully avoiding bringing things to a crisis. As a last resource, she made an experiment of lenient measures, and the effect of largesses and bribery on such as she supposed leading men. The exclusive privilege of trading to New Orleans was extended to Kentucky. Grants of this privilege were restricted to a few influential individuals. As these would be unable to bring all the surplus produce to market themselves, they were allowed to grant passports to such of their friends, as wished to descend the river. The Spanish had handled gold abundantly, and had discovered its efficacy, as an engine of government. They distributed it with a lavish hand in this emergency, hoping that it would have the same influence, in chaining and subduing this hardy and independent race of men, that they had seen it exercise elsewhere.

But a new and powerful engine, which had scarcely as yet made an element in Spanish calculation, began to develop its operations. The federal government, adminis-

tered by Washington, and exercising the charmed influence of his great name, began to unite American strength and opinion. It began to be seen and felt, at home and abroad, what we were about to become, as a people. The government, conscious of its powers and rights, adopted another tone, which was heard. It peremptorily claimed an adjustment of our territorial limits, and the free navigation of the Mississippi. After long discussion and dispute, these points were both accorded.

The French and English had both been long accustomed to look on these regions, as their own; and they were not inattentive spectators of this order of things.—Both had an eye upon Louisiana and the Floridas. Both wished to detach the western people from the American union. Spain not only had her own interests in the turmoil, but earnest wishes to defeat the machinations of both these powers. She carefully watched both; and held intrigue in one hand and gold in the other, waiting the occasions for their use.

English emissaries opened before the avarice of the Kentuckians the rich possessions and products of the Spanish, as a prey ready to fall into their hands. New Orleans, in their possession, was to be freely opened to the people of the West. They were to have the exclusive privilege of this trade; and a golden reflux of wealth was to roll back to the head sources of the western rivers. To neutralize this influence among the western people, there was a natural and strong antipathy to the British, growing out of the remembrance of the recent cruelties of the war. There was the unbroken tie and kindness of kindred between them and their fathers on the east side of the mountains. Other feelings, compounded of pride and patriotism, no doubt, had a powerful influence, in holding them back from such an alliance.

The French, on the contrary, had a deep hold upon their feelings. A busy and intriguing French agent in the United States called on them, to remember the blood and treasure, which, he averred, the French had lavished for us in the war of the revolution. He appealed to their generous sympathies in favor of a people, who were stated, like us, to have thrown off their chains, and to be engaged with tyrants in a common struggle for their own freedom, and that of the world. Genet, the French ambassador, took advantage of the strong current of French partiality in the West, to start in that country the plan of an attack upon Louisiana, to be carried into effect by an armament of American citizens, descending the Mississippi. The wisdom, forbearance and firmness of our government carried us safely through these different trials, and procured the recall of that minister by his government.

Spain, meanwhile, viewed the movements of both the French and English with equal jealousy and apprehension. She complained to our government, that an expedition was forming in Canada, to be carried into effect against Louisiana through our country. She demanded of our government a vindication of our sovereignty, and a refusal of permission for the passage of foreign troops through our territories. Whether the apprehensions of Spain were founded, or not, our government strengthened the frontier posts, and gave strict orders, to prevent the transit of British troops through our territories. The Spanish, too, fortified the approaches to Louisiana, at once to be guarded against the English, to prevent the occupation by the United States of the territory, which we claimed in Florida, and to interdict to us the navigation of the Mississippi.

At length, in 1795, was concluded the Spanish treaty, so long and ardently desired by the people of the West. It had the effect at once to put an end to the intrigues both

of France and England; and opened to the people of the West full scope for the developement of all their resources. Measures were promptly taken by our government to carry the treaty into effect. Andrew Ellicott, esq. arrived, February, 1797, with a small guard of soldiers, at Natchez, as a commissioner on the part of the United States, to fix a line of demarcation between us and the Spanish territories.

It is questionable, if Spain were ever in earnest to carry into effect a treaty, which would remove all grounds of dispute, and take from her all chance to tamper with the western people. Their clamors had extorted the treaty from her terrors. But she was fruitful in expedients to delay the fulfilment of its stipulations. Month after month wore away in idle pretexts for delay. The first object was to prevent our commissioner from descending with his troops. Mr. Ellicott was requested to leave his guard above Natchez. This was refused. A second detachment descended, under lieutenant Pope, and was detained by Don Manuel Gayoso, the Spanish commissioner. He complained, that the treaty had not guaranteed public and private property. He alleged, that the English still contemplated the invasion of Louisiana through our territories, and that the posts at Walnut Hills and Natchez were necessary to cover New Orleans. Redoubled efforts at intrigue and bribery in Kentucky and Tennessee were made, as an expiring effort upon the patriotism of the people.

A long series of bickerings, criminations and recriminations ensued between the two commissioners. The people were with Ellicott, and they took the business into their own hands. Wearied and disgusted with the tergiversations and quibbles of the Spanish government, Ellicott was not displeased with this agency of the people, assumed by and for themselves. Proclamations and re-

scripts in abundance passed between the parties. Meanwhile, Baron Carondelet was transferred from the government of Louisiana to that of Quito, in South America. Gayoso succeeded him, as governor, and Grandpre was appointed governor of Natchez. Owing to the strong opposition of the people, he never made his appearance there. The Spanish authority was exercised by Mr. Minor, a wealthy planter, originally from Pennsylvania.

In December, 1797, captain Guion arrived at Natchez, with a considerable detachment of United States' troops; and took command of the whole force. He had instructions for his course from the government, in view of the disputes between Ellicott and Gayoso; and he seems to have considered them both to have been reprehensible in managing this discussion. He spoke in strong terms against the measures, that had been adopted by the people. The decisiveness of his tone and the impartiality of his conduct put an end to the disputes. The Spanish authorities were restored; and they prepared to evacuate the contested posts. They were evacuated in the summer of 1798. The demarcation line was completed in 1799.—Messrs. Dunbar and Minor were commissioners on the part of Spain.

Our triumph in this dispute did not diminish the dislike of Spain to us. As early as 1787, the Spanish intendant of Louisiana prepared an elaborate memoir to his court, on the ambitious and restless character of the American people, alleging that nothing would satisfy us, but an extension of our limits to the Pacific; and that our revolutionary spirit would be communicated by example to Mexico. Bribery, pensions, and exclusive privileges to the western people were recommended, as measures, that would be favorable to Louisiana, or procure the dismemberment of the western part of the Union from the eastern. Such counsels

easily explain the subsequent Spanish conduct, and account for her delays in carrying the treaty into effect. They still hoped, and waited to see the dismemberment of the Union. They complained of our treaty with England, as unfavorable to their interests; and they sent secret missions to the West to foster discontents.

War was now raging in Europe. The privateers and armed ships of Spain plundered our commerce. She renewed the 'occlusion' of New Orleans. These acts were the more outrageous, as she had just concluded a treaty with us, which stipulated the free navigation of the Mississippi, and the admission and deposit of our produce at New Orleans. This proof of the want of all faith on the part of Spain was the more irritating, from the circumstance of the prodigious increase of the population of the upper country, and from the possession of the right to navigate the Mississippi just long enough to prove to the people, how vital it was to their interests, and in consequence to render the deprivation of it so much the more bitter.

To remedy all these difficulties, and to yield to the ardent wishes of the West, our government concerted a plan of redress, not less bold in conception, than difficult in the execution. Twelve regiments were added to our army in 1790. The spoliations of France upon our commerce, and her menacing attitude in other respects, furnished sufficient pretenses for this measure. Three of the old regiments were ordered to descend to a station near the mouth of the Ohio. It is understood, that the intention was, that these troops should descend the Mississippi, be joined by the new levies from the Atlantic, and seize New Orleans, before it could be reinforced by Spanish troops. But a change in the presidency took place. Mr. Adams was superseded by Mr. Jefferson, and the twelve regiments,

raised under the former presidency, were immediately disbanded.¹

One of the first acts of Mr. Jefferson's administration was a remonstrance to Spain, against the violation of her treaty, and a demand of redress. While Spain restored us the right of deposit at New Orleans, we were informed, that she had by a treaty, in 1801, receded Louisiana to the French republic.

The French army, that had been raised for the occupation of Louisiana was blockaded in a Dutch port by a British squadron. Pressed on every side, and without a navy, the French republic wanted money more than colonies; and she ceded Louisiana to the United States by treaty, bearing date April 13th, 1803, in consideration of fifteen millions of dollars.

The Spanish authorities, in December of the same year; transferred the government of lower Louisiana to M. Laussat, the French commissioner; and on the 20th of the same month, he transferred it to governor Claiborne and general Wilkinson, commissioners on the part of the United States. Mr. Stoddart, constituted agent of the French republic, received the transfer of upper Louisiana from Spain, March 9th, 1804; and the next day, duly transferred it to the United States.

It is well remembered, that the purchase of this country by our government was a theme of party crimination at the time; that the measure was strongly reprobated by many, as tending only to give an useless and dropical extension to a country, already too large. Our limits and our inclinations equally forbid our dwelling on these painful remembrances. At this day, there is but one opinion about the wisdom and necessity of this measure. Louisiana, independent of its intrinsic value, would have been the apple of eternal discord between us, and whatever

power retained it. That power would have been able always to keep alive dissension and disunion in the West. Either the western states must have been perpetually barred from the ocean; or the whole course, and the entire command of the Mississippi must have been ours. But, independent of political considerations, at this day a single territory, beyond the states already formed, is worth to the treasury of the United States, more than the whole purchase cost.

Ridicule at the same time was cast upon the mode of acquiring the country by purchase, and by money, and not by arms. It is not true, as was then alleged, that this was the first precedent of a purchased country. Even had it been, our government deserved credit for the first example. The conquest of the country, had that not been in the nature of things a contingent event, could not have cost less money, laying the price of human blood, that must have been shed in acquiring it, out of the question, than we gave for the purchase. It is useless to enlarge. Whoever looks on these fair and fertile regions, now, and as we hope for ever, the domain of freedom, and which have already had their influence, in diffusing that boon to the vast extents of country beyond them, will hail the era of the purchase of this country, as long as the Mississippi shall roll to the sea.

A new scene opens before us. The wide and fertile country of the 'father of streams' is all a land of freedom; and that mighty river, from its source to its mouth, only sees the American standard. The Atlantic population poured in a stream of immigration from beyond the mountains. As presages of the empire, that was one day to spring up in these deserts, towns and settlements began to appear on the courses of the Ohio, as by enchantment. In

order to preserve something like an unbroken chain of events in Louisiana, we have a little preceded the order of events in other parts of this valley. We return, to contemplate the condition of the country on the Ohio at the close of the war of the revolution.

The savages had generally taken part with Britain in that war. That power still held posts within our ceded limits, whence her traders issued the means of influence and corruption among them. These posts were central points, from which they marched upon our incipient settlements on the frontier, armed with the tomahawk and the scalping knife. One of the earliest objects of the attention of our government, after that war, was either to pacify the Indians, or restrain and punish their cruelties. The Creeks, a powerful nation in the centre of the southern country, were in a position, to be excited to enmity both by Britain and Spain. They were headed at this time by M'Gillivray, a man, who united in his character the strong points both of the savage and the civilized life. He was at first refractory, and indisposed to terms. A second effort with him was more successful. Colonel Willet, who was charged with the negotiation, induced M'Gillivray to repair to New York; and a treaty was signed, which bears his name along with that of Washington.

Attempts to pacify the Indians of the Wabash and the Miami were not equally successful. The measures of Washington were soon taken. As soon as he saw, that the ordinary motives would have no effect, in bringing them to terms, he felt that policy and humanity alike called for strong measures. An expedition against the hostile tribes, northwest of the Ohio, was planned. The object was, to bring the Indians to a general engagement; or if that might not be, to destroy their establishments on the waters of the Scioto and the Wabash. General Harmar

was appointed to the command of this expedition. Major Hamtranck, with a detachment, was to make a diversion in his favor up the Wabash.

On the 13th of September, 1791, general Harmar marched from fort Washington, the present site of Cincinnati, with 320 regulars, and effected a junction with the militia of Pennsylvania and Kentucky, which had advanced twenty-five miles in front. The whole force amounted to 1,458 men. Colonel Hardin, who commanded the Kentucky militia, was detached with 600 men, chiefly militia, to reconnoitre. On his approach to the Indian settlements, the Indians set fire to their villages, and fled. In order, if possible, to overtake them, he was detached with a smaller force, that could be moved more rapidly. It consisted of 210 men. A small party of Indians met, and attacked them; and the greater part of the militia behaved badly,—leaving a few brave men, who would not fly, to their fate. Twenty-three of the party fell, and seven only made their escape, and rejoined the army. Notwithstanding this check, the army succeeded so far as to reduce the remaining towns to ashes, and destroy their provisions.

On their return to fort Washington, general Harmar was desirous of wiping off in another action the disgrace, which public opinion had impressed upon his arms. He halted eight miles from Chillicothe; and late at night detached colonel Hardin, with orders to find the enemy, and bring him to an engagement. Early in the morning, this detachment reached the enemy, and a severe engagement ensued. The savages fought with desperation. Some of the American troops shrunk; but the officers conducted with great gallantry. Most of them fell, bravely discharging their duty. More than 50 regulars and 100 militia, including the brave officers, Fontaine, Willys and Frothingham, were slain.

Harmar, in his official account of this affair, claimed the victory, although the Americans seem clearly to have had the worst of the battle. At his request, he was tried by a court martial, and honorably acquitted. The enemy had suffered so severely, that they allowed him to return unmolested to fort Washington.

The terrors and the annoyance of Indian hostilities still hung over the western settlements. The call was loud and general from the frontiers, for ample and efficient protection. Congress placed the means in the hands of the executive. Major general Arthur St. Clair was appointed commander in chief of the forces to be employed in the meditated expedition. The objects of it were, to destroy the Indian settlements between the Miamies, to expel them from the country, and establish a chain of posts, which should prevent their return during the war. This army was late in assembling in the vicinity of fort Washington. They marched directly towards the chief establishments of the enemy, building and garrisoning in their way the two intermediate forts, Hamilton and Jefferson. After the detachments had been made for these garrisons, the effective force, that remained, amounted to something less than 2,000 men. To open a road for their march was, of course, a slow and tedious business. Small parties of Indians were often seen hovering about their march; and some unimportant skirmishes took place. As the army approached the enemy's country, sixty of the militia deserted in a body. To prevent the influence of such an example, major Hamtranck was detached with a regiment, in pursuit of the deserters. The army, now consisting of 1,400 men, continued its march. On the 3d of November, 1792, it encamped fifteen miles south of the Miami villages.— Having been rejoined by major Hamtranck, general St. Clair proposed to march immediately against them.

Half an hour before sunrise, the militia was attacked by the savages, and fled in the utmost confusion. They burst through the formed line of the regulars into the camp. Great efforts were made by the officers, to restore order; but not with the desired success. The Indians pressed upon the heels of the flying militia, and engaged general Butler with great intrepidity. The action became warm and general; and the fire of the assailants, passing round both flanks of the first line, in a few minutes was poured with equal fury upon the rear. The artillerists in the centre were mowed down; and the fire was the more galling, as it was directed by an invisible enemy, crouching on the ground, or concealed behind trees. In this manner they advanced towards the very mouths of the cannon; and fought with the infuriated fierceness, with which success always animates savages. Some of the soldiers exhibited military fearlessness, and fought with great bravery. Others were timid, and disposed to fly. With a self-devotion, which the occasion required, the officers generally exposed themselves to the hottest of the contest, and fell in great numbers in desperate efforts, to restore the battle. The commanding general, though he had been for some time enfeebled with severe disease, acted with personal bravery, and delivered his orders with judgment and self-possession. A charge was made upon the savages with the bayonet; and they were driven from their covert, with some loss, a distance of 400 yards. But as soon as the charge was suspended, they returned to the attack. General Butler was mortally wounded; the left of the right wing broken, and the artillerists killed almost to a man. The guns were seized, and the camp penetrated by the enemy. A desperate charge was headed by colonel Butler, although he was severely wounded; and the Indians were again driven from the camp, and the artillery

recovered. Several charges were repeated with partial success. The enemy only retreated, to return to the charge, flushed with new ardor. The ranks of the troops were broken, and the men pressed together in crowds, and were shot down without resistance. A retreat was all that remained; to save the remnant of the army. Colonel Darke was ordered to charge a body of savages, that intercepted their retreat. Major Clark, with his battalion, was directed to cover the rear. These orders were carried into effect; and a most disorderly flight commenced. A pursuit was kept up four miles, when fortunately for the surviving Americans, the natural greediness of the savage appetite for plunder called back the victorious Indians to the camp, to divide the spoils. The routed troops continued their flight to fort Jefferson, throwing away their arms on the road. The wounded were left here, and the army retired upon fort Washington.

In this fatal battle fell 38 commissioned officers, and 593 non-commissioned officers and privates. Twenty-one commissioned officers, many of whom afterwards died of their wounds, and 242 non-commissioned officers and privates, were wounded.

This severe disaster to an expedition, which had been deemed sufficient to look down all opposition, was as humiliating, as it was unexpected. Public opinion was unfavorable, in regard to the management of general St. Clair. He solicited a trial by a court martial; but owing to the circumstance, that there was no officer in the army of a grade, to be authorized by the usages of war to preside over the trial, he did not receive one.

The Indian war now assumed a more formidable aspect, than before. Flushed with their success, there was all reason to believe, that the savages would receive new accessions of strength, and that blood would flow on the

frontiers anew. The reputation of the government was now committed in the fortunes of the war. Three additional regiments were directed to be raised. On the motion in congress, for raising these regiments, there was an animated, and even a bitter debate. It was urged on one hand, that the expense of such a force would involve the necessity of severe taxation; that too much power was thrown into the hands of the president; that the war had been badly managed, and ought to have been entrusted to the militia of the West, under their own officers; and with more force they urged, that no success could be of any avail, so long as the British held those posts within our acknowledged limits, from which the savages were supplied with protection, shelter, arms, advice and instigation to the war. On the other hand, the justice of the cause, as a war of defence, and not of conquest, was unquestionable. It was proved, that between 1783 and 1790, no less than 1,500 people of Kentucky had been massacred by the savages, or dragged into a horrid captivity; and that the frontiers of Pennsylvania and Virginia had suffered a loss not much less. It was proved, that every effort had been made to pacify the savages, without effect. They showed, that in 1790, when a treaty was proposed to the savages at the Miami, they first refused to treat, and then asked thirty days for deliberation. It was granted. In the interim, they stated, that not less than 120 persons had been killed, and captured, and several prisoners roasted alive; at the term of which horrors, they refused any answer at all to the proposition to treat. Various other remarks were made in defence of the bill. It tried the strength of parties in congress, and was finally carried.

General St. Clair resigned, and major general Anthony Wayne was appointed to succeed him. This officer commanded the confidence of the western people, who con-

aided in that reckless bravery, which had long before procured him the appellation of 'mad Anthony.' There was a powerful party, who still affected to consider this war unnecessary; and every impediment was placed in the way of its success, which that party could devise. To prove to them, that the government was still disposed to peace, two excellent officers and valuable men, colonel Hardin and major Truman, were severally despatched with propositions of peace. They were both murdered by the savages. These unsuccessful attempts at negotiation, and the difficulties and delays, naturally incident to the preparation of such a force, together with the attempts, that had been made in congress, to render the war unpopular, had worn away so much time, that the season for operations for the year had almost elapsed. But as soon as the negotiations had wholly failed, the campaign was opened with as much vigor, as the nature of the case would admit. The general was able, however, to do no more this autumn, than to advance into the forest towards the country of the savages, six miles in advance of fort Jefferson. He took possession of the ground, on which the fatal defeat of St. Clair had taken place, in 1791. He here erected a fortification, with the appropriate name of fort Recovery. His principal camp was called Greenville. In Kentucky, meanwhile, many of the people clamored against these measures, and loudly insisted, that the war ought to be carried on by militia, to be commanded by an officer taken from their state. It was believed, too, by the executive, that the British government, by retaining their posts within our limits, and by various other measures, at least countenanced the Indians in their hostilities. That government took a more decisive measure early in the spring. A British detachment from Detroit advanced near fifty miles south of that place, and fortified themselves

on the Miami of the lakes. In one of the numerous skirmishes, which took place between the savages and the advance of general Wayne, it was affirmed, that British were mingled with the Indians.

On the 8th of August, general Wayne reached the confluence of the Au Glaize and the Miami of the lakes. The richest and most extensive settlements of the western Indians were at this place. It was distant only about thirty miles from the post on the Miami, which the British had recently occupied. The whole strength of the enemy, amounting to nearly 2,000 warriors, was collected in the vicinity of that post. The regulars of general Wayne were not much inferior in numbers. A reinforcement of 1,100 mounted Kentucky militia, commanded by general Scott, gave a decided superiority to the American force. The general was well aware, that the enemy were ready to give him battle, and he ardently desired it. But, in pursuance of the settled policy of the United States, another effort was made for the attainment of peace, without the shedding of blood. The savages were exhorted by those, who were sent to them, no longer to follow the counsels of the bad men at the foot of the Rapids, who urged them on to the war, but had neither the power, nor the inclination to protect them; that to listen to the propositions of the government of the United States would restore them to their homes, and rescue them from famine. To these propositions they returned only an evasive answer.

On the 20th of August, the army of general Wayne marched in columns. A select battalion, under major Price, moved, as a reconnoitering force, in front. After marching five miles, he received so heavy a fire from the savages, concealed, as usual, that he was compelled to retreat. The savages had chosen their ground with great

judgment. They had moved into a thick wood, in advance of the British works, and had taken a position behind fallen timber, prostrated by a tornado. This rendered their position almost inaccessible to horse. They were formed in three regular lines, according to the Indian custom, very much extended in front. Their first effort was to turn the left flank of the American army.

The American legion was ordered to advance with trailed arms, and rouse the enemy from his covert at the point of the bayonet, and then deliver its fire. The cavalry, led by captain Campbell, was ordered to advance between the Indians and the river, where the wood admitted them to penetrate, and charge their left flank. General Scott, at the head of the mounted volunteers, was commanded to make a considerable circuit, and turn their right. These, and all the complicated orders of general Wayne, were promptly executed. But such was the impetuosity of the charge made by the first line of infantry, so entirely was the enemy broken by it, and so rapid was the pursuit, that only a small part of the second line, and of the mounted volunteers, could take any part in the action. In the course of an hour, the savages were driven more than two miles, and within gunshot of the British fort.

General Wayne remained three days on the field of battle, reducing the houses and corn fields, above and below the fort, and some of them within pistol shot of it, to ashes. The house and stores of colonel M'Kee, an English trader, whose great influence among the savages had been uniformly exerted for the continuance of the war, was burned among the rest. Correspondence on these points took place between general Wayne and major Campbell, who commanded the British fort. That of general Wayne was sufficiently firm; and it manifested,

that the latter only avoided hostilities with him, by acquiescing in this destruction of British property within the range of his guns.

On the 28th, the army returned to Au Glaize, destroying all the villages and corn within fifty miles of the river. In this decisive battle the American loss, in killed and wounded, amounted to 107, including officers. Among those, that fell, were captain Campbell and lieutenant Towles. The general bestowed great and merited praise, for their bravery and promptitude in this affair, to all his troops.

The hostility of the Indians still continuing, their whole country was laid waste; and forts were erected in the heart of their settlements, to prevent their return. This seasonable victory, and this determined conduct on the part of the United States, rescued them from a general war with all the nations northwest of the Ohio. The Six Nations had manifested resentments, which were only appeased for the moment, by the suspension of a settlement, which Pennsylvania was making at Presqu' Isle, within their alleged limits. The issue of this battle dissipated the clouds at once, which had been thickening in that quarter. Its influence was undoubtedly felt far to the south. The Indian inhabitants of Georgia, and still farther to the south, had been apparently on the verge of a war, and had been hardly restrained from hostility by the feeble authority of that state.

No incidents of great importance occurred in this quarter, until August 3d, of the next year; when a definitive treaty was concluded, by general Wayne, with the hostile Indians northwest of the Ohio. By this treaty, the destructive war, which had so long desolated that frontier, was ended in a manner acceptable to the United States. An accommodation was also brought about with the southern

Indians, notwithstanding the intrigues of their Spanish neighbors. The regions of the Mississippi valley were opened on all sides to immigration, and rescued from the dread of Indian hostilities.

It is necessary to turn our attention for a moment from these bloody combats, to contemplate the more alarming prospect of discord among our own citizens. Portents of this sort began about this time to show themselves in different points of the Union. In the counties of Pennsylvania, west of the mountains, arose a dark and menacing cloud, which required the most decisive interposition of the government to disperse. Congress had passed a law imposing duties on spirits distilled within the United States. Much whiskey was distilled and consumed in these counties, and a violent and systematic opposition to the law was formed. This duty was peculiarly obnoxious to them from local considerations. These people from the beginning had been of the number of those, who were most opposed to the measures of the general government. They had listened to the bitter language of party spirit in congress, and were encouraged to extreme measures by the tone of party there. A powerful, influential and active party, pervading the whole Union, had been organized, which, in addition to other measures, that they reprobated, considered the whole system of finance, adopted by the general government, as hostile to liberty. The people of these counties had strongly identified their opinions and their feelings with this party. With such dispositions, a tax law, which had a local bearing upon them, and which had been declared on the floor of congress unnecessary and tyrannical, and which tended to enhance the price of the only kind of ardent spirits consumed among them, could not but be viewed with abhorrence by a people, who had not been much used to the restraints of law, and in

whose minds, by various circumstances, the awful apprehensions, which are usually occasioned by attempts to resist the laws, had been lessened to such a degree, as to induce the hope, that these combinations, persisted in, might finally prove successful.

On first introducing the act, discontents had been manifested in various parts of the Union, which by the prudent firmness of the government had been dissipated. But in this region a regular spirit of resistance was developing. Meetings and resolutions, in opposition to the law, had been adopted, and plans of resistance organized. In September, 1791, a meeting of delegates from the malecontent counties was held at Pittsburg. The resolutions were violent, countenancing the acts and outrages, that had already been committed, and giving a more general and organized sanction to what had been already resolved in the county assemblies. These resolutions were fortified with the general charges against the government, to which we have alluded. The deputy marshal had been entrusted with process against those, who had committed acts of violence on the revenue officers; and they were not a few. Unfortunately, this officer was intimidated, and returned without performing his duty; by his retreat, adding confidence in their strength to the disaffected.

Congress, in their next session, made a revision of the system; and took great pains to alter such parts of it, as were considered most exceptionable in this quarter. But this conciliatory measure had no effect. The malecontents, for a considerable time, deterred every person from consenting to permit an office to be held at his house. Threats of the infliction of violence and death were held out, to intimidate the officers of the revenue. Another meeting was convened at Pittsburg. Correspondencies were appointed with the disaffected elsewhere. Mutual pledges

of perseverance were given by the malecontents; and mutual promises interchanged, that they would hold, as enemies, those, who were appointed to collect the revenue; that they would withhold from them all the kind offices of life, and would every where treat them with contempt. They earnestly recommended to the people generally a similar line of conduct.

Prosecutions were instituted against the delinquents, and proclamations and pacific measures adopted without effect. The spirits, distilled in the non-complying counties, were seized by the revenue officers on the way to market; and the agents for the army were directed to purchase only those spirits, on which the duties had been paid. Such measures, it was hoped, would operate, as motives of interest, to detach many from their opposition. But laws are generally unavailing against the combined spirit of a people, especially, when obedience is found more dangerous, than resistance.

But it was found by the malecontents, that something more must yet be done, to prevent the operation of the laws. Notwithstanding the outrages, which they had committed upon the revenue officers, notwithstanding their resolutions and menaces, the law was visibly gaining ground; and several distillers in the disaffected country were induced to comply with its requisites. They perceived, that the certain loss of an article for the market, added to the penalties, to which delinquents were liable, might finally induce a compliance on the part of distillers, unless they could, by a systematic and organized opposition, deprive the government of the means employed for carrying the laws into execution.

It was the avowed opinion of the executive, that this open and undisguised opposition imperiously required, that the strength and efficacy of the laws should be tested.

Processes were directed against a number of non-complying distillers. The marshal charged himself with the service of the processes, and repaired in person to the scene of the disorders. On the 15th of July, while employed in the execution of his duty, he was beset, and fired upon by armed men. Fortunately he was not hurt. Next morning, the house of general Neville, where he staid, was beset; but he defended himself resolutely, and obliged the assailants to retreat. The marshal applied to the militia officers and magistrates for protection. The answer was, that the combination was too general, to have the laws executed, so as to afford protection.

On the following day, the insurgents assembled to the number of 500. On finding that no protection could be expected from the civil authority, he next applied to the officer commanding at fort Pitt, and obtained eleven men from that garrison, who were joined by major Kirkpatrick. It was in vain to contend with 500 men. A parley was proposed, and the marshal with his guard was required, among other things, to march out, and give up their arms. This being refused, the malecontents commenced their assault. During the affray, they fired several adjacent buildings. Suffering from an intense heat, and apprehending that the building, which sheltered them, would soon be in flames, major Kirkpatrick and his party surrendered themselves.

The marshal and colonel Neville were seized on their way to general Neville's house. The marshal, especially, was treated with great rudeness. His life was repeatedly threatened. He and the inspector having both retired to Pittsburg, the insurgents deputed two of their body, one of them a justice of the peace, requiring that the former should surrender all his processes, and the latter resign,—threatening, in case of refusal, to attack them, and seize

their persons. Not acceding to these demands, and finding no security at Pittsburg, they escaped down the Ohio.

We hasten to cut short this unpleasant narrative. The outrages of the insurgents were now repeated in various forms. The mails were arrested, the letters taken out, and the persons ascertained, who had expressed themselves unfavorably, in regard to these measures. Delegates were assembled; a general meeting of the people invited; and a formal and organized opposition to the general government announced itself. By the unanimous advice of the cabinet, the evidence of an insurrection, which had been transmitted to the president, was laid before one of the associate judges of the supreme court of the United States, who gave the certificate, required by the constitution, to enable the president to employ the militia in aid of the civil power. There was a difference in opinion among the officers consulted by the president, in respect to the ulterior measures, that ought to be adopted. The insurgent counties contained 16,000 men, capable of bearing arms; and it was thought, they might bring 7,000 men into the field. It was deemed, that 12,000 would be a force sufficient to look down all opposition, and render resistance desperate. This was the opinion of the president. To allow the laws and authorities to be trampled upon in one quarter, was to invite resistance in another, and was an indignity, to which the chief magistrate never could submit.

He finally resolved to issue that proclamation, which, according to law, must precede the employment of force. The proclamation was a firm and manly state paper. On the same day, a requisition was made on the governors of New Jersey, Pennsylvania, Maryland and Virginia, for their several quotas of militia, to compose an army of 12,000 men. As a last effort at conciliation, judge Yates,

the attorney general, who was a citizen of Pennsylvania, and Mr. Ross, representing that state, as a senator in congress, and who was particularly popular in the western country, were deputed by the government, to be the bearers of a general amnesty on the sole condition of future obedience to the laws. Governor Mifflin, of Pennsylvania, issued a proclamation, in concert with that of the president; and commissioners were appointed by him, to unite their influence with that of the general government.

Meanwhile, the insurgents omitted nothing, to spread the circle of disaffection in the adjacent counties of Virginia, and the contiguous ones of Pennsylvania east of the mountains. The publications of that period, and the furious language of party at the time, were but too well calculated to inspire in them a confidence, that the resistance might spread so widely, as to terminate in a revolution. The insurgents had a grand committee of conference, whose object was to confer and correspond with commissioners from their own state and the United States. But they were only empowered to receive propositions, and to act on nothing.

Ambitious men of intelligence, who had helped to kindle the flame, saw that it is easier to do this, than to regulate the heat, or set limits to the conflagration. After it had spread beyond the power of keeping it in, they began to think of controlling it. The committee of conference were desirous of accepting the terms of the government, and it was carried by a small majority to do it; but not deeming themselves armed with sufficient power, they afterwards resolved, that it should be referred to the people.

The prospect of obtaining the quota of troops from Pennsylvania was at first unpromising. Some feeble attempts were made in the legislature of that state, to lay impediments in the way of an appeal to force. A majority

expressed strong abhorrence of the insurrection; and the general sense of the nation loudly proclaimed, that the laws must and would be supported. The governor acted with great ardor and decision. The quota was to be filled up in part with volunteers. The governor visited different places, and addressed the militia; and so prompt and efficient was this mode of appeal, that the quota was furnished.

On the 25th of September, the president issued a second proclamation. The troops of the different states assembled, partly at Bedford in Pennsylvania, and partly at Cumberland in Maryland. Governor Lee, of Virginia, was commander in chief, and the governors of New Jersey and Pennsylvania commanded under him. From Bedford and Cumberland the army marched in two divisions into the insurgent country. As was foreseen, the greatness of the force prevented the effusion of blood. A few were arrested; and a Mr. Bradford, who had rendered himself conspicuous by his violence, made his escape into the Spanish country.

Thus, without shedding a drop of human blood, was the first, and may it be the last insurrection in the western country, finally suppressed. An example of dignified forbearance, mixed with vigor and firmness on the part of the government, was placed before the eyes of the people.

The western country, meanwhile, continued to fill with people with a rapidity, as we have seen, without parallel in the annals of any other colony. The Ohio no longer rolled through an unbroken forest. Incipient towns and villages sprung up among the deadened trees; and the sound of the woodsman's axe was heard in a thousand places in the forest. The advance of this region in prosperity and population had now nothing to check it. The surplus produce of the West began to descend in all those

whimsical varieties of boats, that float on the bosom of the Ohio. Occasional murders of the frontier people, by the Indians, continued to keep up the feelings of resentment and vengeance against them. From the nature of things, these occurrences will always take place, wherever numerous savages surround sparse and growing settlements of the whites. It is astonishing, to remark how little influence the recurrence of these events had, in preventing immigrant families from making their way into the forests, in the immediate vicinity of these dreaded neighbors.

The attempt of Blount, to tamper with the fidelity and patriotism of the western people, had been the wonder of a day. A more serious attempt was made at this time by the celebrated Aaron Burr, who had sustained the high dignity of vice-president of the United States. He is represented to have been smooth, plausible, eloquent, and his words of persuasion dropping like dew. Under an exterior of mildness was concealed burning and disappointed ambition. There can be little doubt, that he was impressed, that the materials of insurrection and political change existed on the courses of the Ohio and Mississippi, in ample abundance; and that he expected to find here, as elsewhere, great numbers 'above the dull pursuits of civil life,' who would be ready to embrace any project, that promised to gratify ambition and avarice. Considerable funds had been procured for an expedition, which was cloaked with the pretext of conveying settlers to lands on the Washita. The real objects appear to have been, to obtain the countenance or co-operation of the influential men in the western country; to seize on the bank in New Orleans; and shake, if it might be, the confederation in the Atlantic country to its centre; detach the West from the Union; and then indulge in ulterior dreams of the conquest of Mexico. His correspondence with the leading men evinces,

that some of them did not look through the mystery and concealment of his avowed purpose, to his real one; that others amused him with answers, as wily and as enigmatical, as his own correspondence; and that others were prepared to fall in with his purposes, or hunt them down, according as they promised to be successful, or not.

‘That treason never prospers, what’s the reason?
Why, when it prospers, none dare call it treason.’

This maxim, founded on such accurate acquaintance with history, appears to have been the motto of some of the chief men of the country, on this occasion. If his object really was to overturn the government, never was any one predicated more entirely on moonshine, or more stupidly managed. Surely, if he calculated to effectuate such vast projects, with such slender and inefficient means, he must have been the wildest of all the votaries of visionary ambition, and little entitled to that high character for intellect, which he had hitherto borne. It is as little our desire, as it would be useful or interesting, to go into the details of this affair, which excited so much interest and feeling at the time. Burr and Ogden were arrested by the constituted authorities, as they were on their way to New Orleans, and sent round from that city, as prisoners, to Washington. Burr was tried before the senate of the United States, on the charge of treason, and was acquitted. The implication of Blannerhasset and his beautiful wife in the projects of Burr, furnished on the trial some brilliant sprinklings of romance over the interesting pleadings on that occasion. We are impressed, that the western people, generally, participated as little in any project to detach them from the Union, as though all this had happened in another planet.

The year 1811 was a memorable one in the annals of the West. Steam boats, the most astonishing invention of modern times, and more than any other calculated to change the face of society, and more peculiarly adapted to the physical character and wants of the western country, than any other on the globe, had been abundantly experimented on the Hudson. This year the echos of the Ohio forest were awakened by the noise of the first steam boat, that ever descended the Ohio. She was called the New Orleans, and carried between three and four hundred tons. She was extremely slow, compared with the progress of some of the swifter steam boats of this time. But the first experiment was fortunate, and successful; and strongly tended, by immediately showing the advantages of this mode of navigating the western waters, over all others, to bring about the striking change in this respect, which has taken place on these rivers within the last fifteen years. There was now a short interval of those peaceful and happy days, of which history has little to record. The census of 1810 gave us nearly a million inhabitants, and more than eight times our number in 1790.

Our political horizon had long been lowering, in regard to our relations with France and England, as a neutral power, subject to be plundered, and ill-treated by both nations. It was a question, discussed in congress with no little asperity, which of these powers we should select, upon which to make war. It was ultimately determined to declare war with England. For some time, her ancient influence with the Indians on the lakes, and our northern and western borders, had begun to excite the savages against us, as formerly. At length their long smothered hostilities burst upon us in a flame, in the battle of Tippecanoe.

At the close of the year 1811, the savages, instead of confining themselves to solitary depredations and individual murders, began to harass the frontier settlements in the West with incessant incursions, and the murder of whole families. The several tribes seemed to emulate each other in deeds of horror and blood. These incursions were either countenanced, or instigated by the usual influence and arts of the British traders, as had been the case in former days. It was ascertained, too, on a solemn investigation, that the savages were thoroughly armed, and equipped with new guns. The influence of a savage, called the 'Shawanese prophet,' had been particularly efficacious, in stirring up the tribes of the lakes and the Wabash against the United States. General Harrison, governor of Indiana territory, and general Boyd, commanding a regiment of United States' infantry in that quarter, were ordered to march to the prophet's town, high on the Wabash, to demand reparation for the past, and security for the future.

In November, 1811, after a long march of more than thirty days, these troops encamped in the vicinity of the prophet's town. General Harrison, anxious to prevent the effusion of blood, made various unsuccessful efforts at negotiation. An officer, who was despatched to them with terms, narrowly escaped from them with his life. The troops were ordered slowly to approach the town, in order of battle. They were met by a deputation of Indians, with the usual crafty protestations of friendship, and enquiries respecting the object of his march into their country. They promised to hold a council next day, to discuss and settle all grounds of complaint. The prophet by night consulted his 'grand medicine,' and pronounced, 'that the enemy was now in their power, fast asleep, and should never wake.'

Happily for the result of this battle, little reliance had been placed upon the avowal of pacific intentions by the savages. The troops had been ordered to lie upon their arms, to be ready at a moment's warning. The prophet's forces have been differently estimated from 400 to 600 warriors. The American force amounted to about 800 men.

The 7th of November, before four in the morning, the Indians attacked the American camp with a general discharge, and the most horrid yells. Favored by the profound darkness, they had broken into the camp. At the clear and distinct voice of general Harrison, the troops rallied, and a fierce engagement of man with man commenced, amidst the confusion of darkness, and the horrid yells of the Indian war-whoop. The militia at first recoiled; but the exertions of colonel Geiger rallied them to the charge. During the darkness, it is obvious, under such circumstances, that the savages would have the advantage. The troops were soon formed in a parallelogram. The militia poured upon them a sheet of flame. As soon as it was possible to see their position, the fourth regiment charged them with the bayonet, with all the precision and effect of their admirable discipline. They were immediately cleared from the camp, and the field, and fled. The mounted men cut down many of them on the retreat. It was a bloody victory obtained by the loss of 188 men killed and wounded. Of the Indians, 53 were found dead in and about the camp; and their whole loss was calculated nearly to equal that of the Americans. General Harrison narrowly escaped, having had the hair of his head cut with a ball. He was distinguished for his exertions and gallantry on the occasion. The officers in this affair merited, and received the highest praise. Some of the bravest of

them fell. In short, officers and men gained the meed of having done their duty.

Immediately after the battle, the town was deserted by the Indians. In the precipitancy of their flight, they left their provisions, and almost every thing they possessed, behind them. An incontestable proof, that they had been supplied with arms by the British, appeared in our finding a great many guns here, which had never been removed from the cases, in which they had been imported, and a quantity of fine, English-glazed gunpowder. A number of the northern tribes, consisting of the Pottowatomies, Miamies, Shawanese and Winnebagos, had sent their warriors to this place. They were headed by Stone Eater, White Loon, Winnemac and Ellskwatawa, commonly called 'the prophet,' and brother of Tecumthe. That celebrated warrior, who makes so conspicuous a figure in the subsequent battles, was absent on this occasion.

After the army retired from the field, the savages, infuriated by their losses, dug up the dead bodies of the officers, scalped, and otherwise mutilated them; and they left a small force to hover on the rear of the Americans, to scalp those, who fell behind, or died of their wounds.

On the 18th of June, 1812, war was declared by the United States against Great Britain. A small army, consisting of the fourth regiment of the United States' infantry, and three regiments of Ohio volunteers, under the command of general Hull, governor of the Michigan territory, was ordered to march for the protection of the frontiers against the incursions of the savages. After a long and tedious march of thirty-five days, followed by British and Indians, who constantly hung upon their flanks, these troops arrived at Detroit. They amounted to 2,500. The British immediately began to defend the opposite shore. Their works were easily destroyed; and general Hull

crossed his troops over the river to the Canada side, and with much menace in vamping proclamations, proposed to invade the country. The fall of Michilimackinack was the first in a series of disgraces and misfortunes, that befel the American arms in this quarter, at the commencement of the war. We can only go into these unpleasant details, as far as the troops and the great local interests of the West were immediately concerned.

After a series of skirmishes, in which colonel Cass, commanding the third regiment of Ohio volunteers, and colonel M'Arthur, commanding another regiment of volunteers from Ohio, were most honorably engaged, and a series of mismanagements, or misfortunes on the part of general Hull, there was a considerable skirmish at Magagua. The American force was commanded by colonel Miller. Against great odds, the Americans obtained an undisputed victory, in which many Indians, and some British were slain.

At the same time, that this slight success was obtained, captain Heald, who commanded at Chicago, at the head of lake Michigan, received orders to march immediately from that place, and proceed with his command to Detroit by land. He commenced his march, accompanied by fifty-four regulars and twelve militia, escorted by captain Wells, of fort Wayne, and a few friendly Indians of the Miami tribe. The inhabitants in that quarter, chiefly women and children, accompanied them, through terror of the savages. They were attacked on their way by 500 Indians. Twenty-six of the regulars and the militia to a man were killed. Among the officers slain were captain Wells, and ensign Roman, both of them officers of great gallantry. Two women and twelve children were also killed. The rest were made prisoners. Captain Heald and his lady escaped alive to a British post, and were

kindly received. Mrs. Heald was wounded by six shot, and the captain by two; but they both survived.

General Hull made a quick return from Canada; and things on his part were soon so far from invasion, that he was summoned by general Brock to surrender. In the most disgraceful manner, and almost without fighting, he did surrender. The men, who had conducted so nobly at Brownstown, the heroes of the fourth regiment, the brave volunteers at Raisin, the whole territory, and every thing appertaining to it, were surrendered with Detroit. Ohio had many brave officers and troops there. They had suffered severely in the skirmishing, that preceded this disastrous and disgraceful event. Never was astonishment and humiliation more extreme, than in the case of these surrendered troops. The British and Indians, to whom general Hull surrendered, amounted to nearly 1,400. The force, that surrendered to them, amounted to about 1,800. No event had ever occurred, that produced such a burning sense of shame and disgrace in the West. Many of the bravest of that region were men feelingly alive to the honor of their country, and ambitious of returning to their secluded homes, covered with glory. They were dishonored captives in a far distant country. An immense territory was surrendered; and a horde of infuriated savages, flushed with success, was ready to pour upon the western frontier, now left without any shelter.

This disastrous intelligence was distributed by the northern Indian runners, quite to the southern extremity of the Union, with great celerity. The southern Indians were invited to take up the hatchet, in combination with those of the north. The Creeks and Seminoles soon became parties in the war; and not a few of the other tribes either joined them, or evidently wished well to their cause. The whole frontier from Tennessee to the bay of Mobile was

laid open to their incursions. The British sent implements and munitions of war to Florida; and they were put into their hands by the Spaniards. To meet these formidable aspects of danger, the people of the contiguous states made great and patriotic exertions. The Seminoles, uniting with stolen or fugitive negros, made incursions into Georgia; and they commenced their accustomed course of cruelty and murder.

A most brave and desperate exploit was performed against them by colonel Newman, of the Georgia volunteers, with 117 men. He was on his march for the Lotchway towns, and was met by 150 hostile, mounted Indians. The meeting was unexpected on both sides. Seldom has a more desperate struggle been recorded. The Indians retreated, and were reinforced to nearly double the number of the whites; and returned to the assault. They were beaten again, retreated a little distance, and entrenched themselves around this little, gallant band, to make sure of them. They preserved a profound silence; and the Indians, thinking them fled, approached their camp with confidence. They received a deadly fire, which killed and wounded thirty warriors. They were now allowed to retreat unmolested. The Indians lost three of their principal chiefs. Their young leader, and Bow-legs, their second in command, were slain.

In 1812, the famous Tecumthe arrived among the Creek Indians, availing himself of the superstitions of the savages, and the predictions of his brother, the prophet, calculated at once to exasperate, and give confidence to them. The Creeks soon began to perpetrate a series of outrages along the Alabama frontier. The crafty Tecumthe had enjoined secrecy, as regarded the predictions and movements. But the smothered thirst for vengeance was too strong among these savages, rendered confident by these prophecies, to

be long concealed. The red war-clubs were soon seen in every part of the nation. Their first fury spent itself on those of their own people, who were desirous of peace with the United States. These were obliged to fly for their lives to the forts and settlements of the whites.

Infatuated by the prophets, with the persuasion that the 'Great Spirit' was on their side, and that they should be found invincible, they made their first assault upon fort Mimms, situated in the Tensaw settlement, in Mississippi; and here they terribly signalized their cruelty and vengeance. It was crowded with women and children, who had fled to it from terror of the savages, as a place of protection. It was garrisoned by 150 men, under the command of major Beasley. The savages obtained their ammunition and supplies from the Spanish at Pensacola; and in 1813, to the number of six or seven hundred, commenced their attack upon the fort. They were fatally successful, and carried it by storm. About 300 persons, more than half of them women and children, were massacred. Never was savage character more fully developed. The mother and the child were slain with the same stroke of the tomahawk. But seventeen of the multitude, that had crowded into the supposed protection of the fort, escaped to relate the catastrophe. The abominable cruelties of the savages, previous to this, were merged at once in the excitement, created by this monstrous and most unprovoked atrocity. As soon as the news reached the adjoining states, a just spirit of resentment was aroused. A campaign had been already planned by the governor of Tennessee, in conformity to instructions from the secretary of war, against them. The feelings universally excited on this occasion, naturally accelerated these operations. General Jackson was selected by public sentiment as the commander in this campaign.

General Jackson, though suffering from a severe wound, which he had received in a private rencontre, accepted the command. Colonel Coffee, in whom, also, the Tennesseans reposed great confidence, commanded under him; and in case the general government should not see fit to adopt the expedition, and defray its expenses, the state voted 300,000 dollars for its support.

In preparing for this campaign, and in marching to the scene of action, general Jackson encountered every difficulty and delay, that could arise from the opinions of opposite factions, from false alarm and intelligence, from the refractory spirit of men, generally unused to control, and much more so to the stern control of a camp; and more than all, from hunger, and an uncertain supply of provisions. He seemed precisely the man, to meet, and obviate all these difficulties. Uniting in an uncommon degree perseverance with promptitude, no opposition stood in his way, but that, which was in the nature of things insurmountable. He soon marched, with such as these circumstances allowed him to collect.

In the vicinity of the Creek settlements, colonel Dyer was detached to attack Littafutchee-town, one of their villages. He destroyed the village, and returned with a considerable number of its inhabitants prisoners. General Jackson had been for some time anxiously waiting the arrival of general Cocke from East Tennessee, with reinforcements and provisions. Learning that a considerable body of the enemy had posted themselves on the Tallushatchee, on the south side of the Coosa, thirteen miles distant, he detached general Coffee, with 900 men, to attack and disperse them.

General Coffee was so fortunate, as to find a fordable point of the Coosa, and there crossed his troops; directing them to encircle the town, and unite their fronts beyond it,

The enemy announced their preparation for action, by beating their drums, and the customary yells and war-whoops. The Indians, in the first instance, assailed an advance party with great fury. The action soon became general, and the savages retreated to their houses. Here they fought to desperation, as long as they could stand, or sit; neither evincing fear, nor asking for quarter. Their loss was 186 killed; among whom, unfortunately, and in the accidental fury of the conflict, were some women and children. Of the prisoners, eighty-four were women and children, who were treated with the utmost humanity. Of the Americans, five were killed, and forty-one wounded. Two were killed with arrows. Most of the warriors had quivers filled with arrows, which they used after the first fire, until they could reload.

On the northern frontier, the effect of the fall of Michilimackinack, Chicago, and more than all, Detroit, was appalling through the Union. It had an electric effect upon the West. An offer was made to receive volunteers for the organization of a new army; and there has not often been on record an instance of an army, formed, equipped, and ready to march, with more celerity. From Pennsylvania, 2,000 volunteers, under brigadier general Crooks, general Tupper's brigade of Ohio volunteers, and the 17th regiment, under colonel Wells, were soon on their march, and at the place of rendezvous. The command was assigned to general Harrison, who was highly popular among the troops, and under him in command was general Payne, of Kentucky.

Immediately after the disasters of Detroit, the prophet's Indians marched to invest forts Harrison and Wayne, which were garrisoned only by a few regulars and volunteers. They murdered, burned and destroyed every thing in the vicinity of these forts. They fired fort Harrison;

and the shrieks of women and children, contemplating on one hand the sheet of flame, rolling towards them, and on the other hearing the horrid yells of the merciless savages, afford us one of those scenes, that were so common during the war. Both of these places were defended with desperate bravery, until they were relieved; the one by a considerable force of mounted volunteers from Illinois, and the other by the forces of general Harrison. He divided his force, in the first instance, into scouting parties, and made these merciless and deluded beings feel, by retaliation, something of the horrors, which themselves had perpetrated. Those Indian tribes, that had remained faithful to the United States, and whose wish to join our standard had been hitherto refused, by an arrangement with the executive, were permitted to take a part in the war. Logan, a warrior of distinguished reputation, joined general Harrison with 700 warriors. Volunteers, more than were demanded by the expedition, poured in from all quarters. The zeal and patriotism of the western states were manifested by the most active exertions, and by sacrifices of every sort, such as the occasion required,—sacrifices of endurance, treasure and blood. Few were more conspicuous in the manifestation of this spirit, than Return J. Meigs, then governor of Ohio.

A separate command had been assigned to general Winchester, as it appears, to the dissatisfaction of the troops confided to him. The troops of general Payne and colonel Wells, by this arrangement, were placed at his disposal. He was directed to push forward in a parallel advance, at some distance from general Harrison, and in concert with him regain the country occupied by the Indians, retake the lost posts, and, if possible, capture Malden, and all the places near our frontiers, that were central coverts for the Indians. General Winchester advanced,

until he found himself in front of an enemy of superior numbers. The advance of his force, under captain Ballard, had already had severe skirmishing with them. A few brave and inexperienced young volunteers, who had rashly ventured beyond the main body, under ensign Liggitt, were slain, and caused deep regret at their untimely fall. General Winchester immediately sent despatches to general Harrison, requesting aid. General Tupper, with his mounted men, directly commenced his march, to yield the required assistance.

There was some severe skirmishing of the enemy with the advance of General Winchester's force, in which Logan, the friendly chief, after conducting with great personal bravery, was mortally wounded. Colonel Campbell was detached by general Harrison, with a considerable force, against the Missisnaway towns. In an attack upon one of these towns, a severe engagement ensued, in which the Indians were defeated, and that, and some other towns destroyed. Next morning the Indians were reinforced, and attacked him. They were again defeated; but a number of brave officers fell in the charge. The detachment behaved with great coolness and fortitude; and what was still better, with humanity to the wounded, and those, who fell into their power. Colonel Campbell, having accomplished his object, commenced his march for Greenville. The terrible Tecumthe was reported to be lurking in the vicinity, with 500 warriors. The weather was severe, and nearly the half of his men were disqualified from duty, by being frozen in some part of their limbs. The men expected an attack, and would, probably, have been destroyed. Their exemption from attack has been by some attributed to the absence of the prophet, who is supposed to have been slain in the attack upon colonel Campbell.

A brigade of Kentuckians, under general Hopkins had been sent into Indiana territory against the savages of the Wabash and the Illinois. They destroyed a number of towns, and had some skirmishing with the enemy. A company of cavalry, belonging to this detachment, advanced to bury one of their slain companions, and fell into an Indian ambushade. Eighteen of their number were killed, and wounded, and among them were several promising young officers.

Exasperated by these repeated successes of the American troops against the different Indian posts and villages, the enemy resolved to advance with their combined arms to Frenchtown, to intercept the American forces marching upon Detroit. The inhabitants of that village expected to be massacred; and they implored the protection of general Winchester. This expedition appears to have been undertaken without any concert with general Harrison. General Winchester, according to their request, marched to their aid with 600 men. After some hard skirmishing, in which the Americans were victorious, the concentrated forces of general Winchester, amounting to about 750 men, found themselves in the vicinity of the British general Proctor, and Tecumthe, with 2,000 men. These forces attacked the American camp, and were bravely repulsed, though with severe loss. In a second attack, general Winchester, colonel Lewis, and some other persons, by some unaccountable inadvertence, were made prisoners. The American force, deprived thus of its chief officers, repelled every attack with the bravery of desperation, until a flag from the enemy promised quarters and protection, if they would surrender; at the same time menacing the town with conflagration, and the inhabitants with the uncontrolled fury of the savages, if they refused these terms. Twenty-two officers, and 275 non-commissioned officers

and privates, had already been slain, or wounded. Thirty-five officers, and 487 non-commissioned officers and privates, surrendered on the faith of general Proctor. The enemy's loss had, probably, been not much inferior to that of the Americans.

The events, that followed, have lost something of their dark coloring by the effect of time, that extinguishes revenge, and softens the remembrance of injuries. But the infamous name of Proctor will never be forgotten in the West. Fathers still repair to the empty monuments of their high spirited and promising sons, who fell in the dastardly treachery of that surrender. Many officers of the first respectability, and young men of the best families and the highest promise, were massacred by the savages, after they had surrendered. The deportment of the British was little short of that of the savages, in regard to the prisoners in their possession. General Proctor, when charged with these enormities, did not attempt to deny them. He only affirmed, that no promise of protection had been given, and no obligation to control the savages incurred. These transactions are commonly known in the West by the name of the 'massacre of the Raisin.'

General Harrison, though his plans were wholly disconcerted by these disasters of general Winchester's troops, set himself immediately to organizing them anew. In this he was strongly aided by the indefatigable Meigs, who promptly forwarded two regiments of Ohio militia, as reinforcements, and by the troops generally, who burned to avenge the loss of their brave brethren in arms. He again advanced to the Rapids, and built a fort, which has since been famous under the name of fort Meigs. He then set out on his return to Ohio, to consult with the governor, and to accelerate the march of the recruits. The fort was

besieged in his absence by the enemy. He was soon apprized of the circumstance, and returned. Great exertions were made, alike in the attack and the defence. The British and Indians manifested extreme rancor, and were unsparing in their labors and assaults. The roar of cannon and bombs discharged upon the fort was continual. The defence was gallant and determined, and a number of men were slain in it.

At length a despatch arrived, with forty-seven men, from general Clay's brigade, informing, that he was at hand, with 1,100 Kentuckians. The besiegers were attacked by him. Their batteries were carried, and their cannons spiked. In the ardor of pursuit, colonel Dudley was led into an ambuscade, and an attack commenced upon the brave, but indiscreet Kentuckians, which terminated in the death, or capture, of almost the whole detachment. The barbarities of the river Raisin were here acted over again, though not to the same extent. The Indians massacred forty-five of the prisoners, and the gallant colonel Dudley among them. He is said to have killed one of the assailing Indians, after he was himself mortally wounded. In the meantime, there was a sortie from the fort, which was intended to have been simultaneous with the assault of colonel Dudley. The troops, that composed it, experienced hard fighting. They were assailed by four times their number, and would have been cut off, had not lieutenant Gwynne, at the critical moment, come to their aid, and gallantly charged the Indians. On the 6th of the month, hostilities seemed suspended, as if by mutual consent. Terms, in relation to the prisoners and wounded, were mutually settled between besiegers and besieged.— On the 9th, the enemy abandoned his works, and the siege, which had lasted thirteen days, and in which he had exhausted his efforts, was raised.

Proctor had vaunted to his Indian allies, that he would capture the garrison, and deliver it over to them, no doubt, to share the fate of those, who had before fallen into their hands. In the course of the siege, 1,800 shells and balls had been fired upon the fort, and a continual discharge of small arms been kept up. The American loss in the siege and sortie was 270 killed and wounded. Kentucky here, as elsewhere, suffered most severely. The gallant, but indiscreet impetuosity of her sons led them to select the points of peril.

In the month of June, the Seneca Indians offered their services to general Harrison, and they were accepted. The incursions of the hostile savages upon our frontiers were frequent and bloody. Many of the inhabitants were killed, or made captives, and the remainder were of course in a state of continual alarm. In one of these assaults, colonel Ball, with a small detachment, was attacked from an ambush. There were about twenty in each party. In the hottest of the fight, colonel Ball, whose horse had been shot down, was engaged in personal contest with an Indian of great strength and prowess. He was relieved by an officer of his party, who shot the Indian. The savages then made a desperate onset with the usual yell, indicating that they would neither take, nor give quarter. The band of savages was destroyed to a man.

In his general orders after the raising the siege of fort Meigs, general Harrison spoke in the highest terms of the conduct of his men during the siege. To majors Todd, Ball, Lodwick, Ritzer and Johnson he made the public expression of his warmest satisfaction. In speaking of the Kentuckians, he said—'It rarely happened, that a general had to complain of the excessive ardor of his troops; but that this seemed to be generally the case, when the Kentuckians were engaged; and that they appeared to think,

that valor alone could accomplish every thing.' Of the conduct of the general himself, it appears to be generally conceded, that he merited entire praise. During the seventh day of the siege, of which we have just spoken, he received from general Proctor a summons to surrender the fort, making much parade of his own force, and avowing the usual desire to prevent the effusion of blood. The proper answer was returned, and the summons was not repeated.

After the raising the siege of fort Meigs, general Harrison transferred his head quarters to Seneca town, on the Lower Sandusky. It was now generally supposed, that general Proctor would unite his forces with those of the main Canadian army, engaged in another quarter. General Harrison better understood his purposes. Fort Meigs had been placed in an excellent state of defence. Great exertions were made to fortify fort Stephenson, as it appears, against the counsels of general Harrison. During the month of July, the congregated tribes of savages under Tecumthe, who was reported to have received the rank and emoluments of brigadier general under general Proctor, together with a considerable force of regulars, proceeded on an expedition, the object of which was the capture of forts Meigs and Stephenson. Tecumthe was despatched with 2,000 warriors, to make a diversion favorable to the British, while they advanced to the attack of fort Stephenson. Proctor made a feint, meanwhile, to keep the attention of general Harrison occupied with fort Meigs. Proctor immediately appeared before fort Stephenson, with 700 Indians under Dixon, and 500 regulars. A number of gun boats had been brought round to bear upon the fort. Major Croghan was in it, with no more than 160 men. He had already disobeyed the orders of his commander in chief, in not destroying the works and

abandoning the place, as indefensible. It was immediately invested with a force of such immense superiority, as left him but a dark prospect of being able to maintain a siege, and little hope of relief, but by the desperate expedient of cutting his way through the enemy. He chose to defend it. He hastily cut a deep ditch, and raised a stockade round it.

General Proctor attempted to gain the place by artifice. He sent a flag, accompanied with the noted renegade, colonel Elliott, well remembered for his conduct towards the Americans at the river Raisin. Parade, artifice and menace were alike unavailing, to procure the surrender. The steady answer of major Croghan was, 'that he should never surrender the place, as long as there were any men in it, to defend it.' General Proctor then opened batteries upon his works, and commenced a furious cannonade. This was continued a long time without much effect. Colonel Short, of the besiegers, then led up a force of 350 regulars, in close column, to storm the fort. The fire, which the besieged opened upon them, threw them into confusion, and induced a hasty retreat. Colonel Short rallied them, and they advanced so far the second time, as to gain the ditch. They leapt into it, and filled it. A concealed six pounder had been so placed, as to rake the ditch in a line. It was charged with slugs, and discharged upon them. The front of this column was only thirty yards from the piece. Colonel Short, and almost every man in the ditch, was killed. A volley of musquetry at the same time was fired with fatal execution, upon those, who were standing on the outer edge of the ditch. The officer, who succeeded colonel Short, rallied the broken column, and led it again into the ditch. A second discharge of the fatal six pounder was made, with the same effect as the first; and the volley of musquetry, that followed, completed the confusion. A

retreat ensued, and an army retired from a garrison, that contained not a tenth part of their numbers, and which, at the commencement of the siege, had taken counsel only from their despair. No inconsiderable quantity of baggage and arms was left by the besiegers; and their loss was reported to have been not less than 150 men. That of the garrison was only one killed and seven wounded. Major Croghan gained, and received imperishable honors. Captain Hunter, lieutenants Johnson, Bayle, Meeks, and ensigns Shipp and Duncan, acquired great and deserved praise.

The brilliant and complete victory of lake Erie, by the fleet under the gallant Perry, followed. The result of this splendid action placed the whole lake under the American control. Then first the masts of a captured British fleet were seen among the trees on the shores of Ohio. These foresters of the shores of Erie gazed on the impressive array of ships, which is usually seen only on the ocean. Six hundred British prisoners were conducted to Chillicothe. The flush of success and the animation of hope were infused into the country. Governor Meigs made an appeal to the militia of Ohio for volunteers, and 15,000 were soon under arms. Their original object was the relief of fort Stephenson; but they now entertained other hopes. The governor of Kentucky, colonel Isaac Shelby, arrived with 4,000 mounted volunteers. The greater part of the garrison of fort Meigs, under general M'Arthur, joined him. General Harrison immediately determined upon invading the enemy's shores. The troops were received on board the victorious fleet of commodore Perry, increased by the captured ships of the enemy. From sixteen vessels of war and 100 boats, they were landed in perfect order, a league below Malden. It must have been

a voyage, as novel and impressive, as it was cheering to these sons of the West.

General Proctor immediately abandoned Malden; and having first set fire to the fort, and destroyed the public property, he retreated with his Indians towards the Thames. The American army entered Amherstburg, amidst the smoke of the conflagration of the public works. The women of the place came out in a body, and begged that protection, which Americans could never refuse. The place was, indeed, in many respects obnoxious to every feeling of retaliation and vengeance. Here the savages had been fostered. Here they had held their horrid orgies of exultation, on their return from successful expeditions. Hence, loaded with presents and munitions of war, they had marched to plunder, massacre and destroy. Scarcely a volunteer, who entered this odious place, but had suffered in his person, property, relations, or friends, by the outrages and massacres, which had been spirited, and instigated from this place. But it was determined, that the British and Indians should see the difference between the American troops, and those, who had enacted the bloody tragedy of the river Raisin. Even the house of the renegade, colonel Elliott, was spared.

General Proctor and his army made all speed to Sandwich. They were followed by the American army by land, and the fleet through the river Detroit. General Harrison directed general M'Arthur to remain, with most of the regular troops, to occupy Detroit, and to watch the motions of the celebrated chief, *Split-log*, who had retired with a great body of savages to the woods, near the Huron of lake St. Clair. He continued the pursuit of Proctor up the Thames. He was joined by the regiment of colonel Johnson, part of colonel Ball's regiment of dragoons, and the whole of governor Shelby's volunteers. General Cass

and commodore Perry acted as his aids. The fortunate capture of a British lieutenant of dragoons and eleven privates, who had been left to destroy the bridges, enabled him to save a bridge, and to learn, that the enemy had no certain advices of his destination up the Thames. During this rapid pursuit, the American army captured a quantity of clothing, 2,000 stands of arms, and a number of cannon. They easily dispersed the Indians from their path. In a skirmish, the rear of the enemy suffered a considerable loss. Two gun boats, and several barges loaded with provisions, were taken.

On the 5th of the month, the pursuit was eagerly renewed, and intelligence was brought, that the enemy was waiting for them, in order of battle, at four miles' distance. Their position was well chosen. On one side was a swamp, and on the other a river. Between the swamp and the river was a level plain, the approach to which was defended by a thick wood. The British were posted, in a line across this plain. Their left rested upon the river, and was supported by most of their artillery. Their centre was protected by two heavy pieces of cannon. Their force numbered about 1,200 Indians, and 600 regulars. The arrangements of general Harrison for the several corps of his army were formed with great judgment. They were entrusted to lieutenant colonel James Johnson, colonel Paul, and colonel R. M. Johnson, major Thompson, and captain Stricker. A division was commanded by general Desha. The American troops moved to the attack, and received the fire of the British. In a moment, the line of the enemy was broken by 1,000 horsemen, who dashed through the centre, and either cut, or trampled down, all that opposed them. The shock was irresistible. There was an immediate surrender of 472 men, with their offi-

ers. General Proctor was aware of his deserts, and escaped with all possible speed.

The Indians contested the battle with much more pertinacity, than their British allies. Tecumthe put forth all his courage and powers in this battle. He awaited the shock of the American cavalry, and dealt it a prodigious fire, as it advanced. The first effort, although a desperate one, to break the Indian line, failed. Colonel Johnson then ordered his men to dismount, and fight the Indians after their own fashion. The fight was fierce and obstinate. Part of the American line faltered; but at the critical moment, colonel Shelby came up with a reinforcement, and turned the scale. A personal contest ensued between colonel Johnson and Tecumthe. The former had been wounded five times, was covered with blood, and was smarting with the agony of his wounds. He had been mounted on a beautiful white charger, through the action, which rendered him a conspicuous mark for the direction of the savage shots. He had received a shower of bullets, which pierced every part of his dress and accoutrements. His horse was wounded, and in staggering back, exposed him to the tomahawk of his savage antagonist. It missed him. He drew his pistol, shot his enemy in the head, and they both fell together. Major Thompson, on whom the command devolved, after the fall of colonel Johnson, continued to direct the fight. It was long and obstinate. The savages finally fled, and numbers of them were cut down by the cavalry in their flight.

Among the singular trophies of this victory were several pieces of brass cannon, which had been taken from Burgoyne at Saratoga, surrendered by general Hull with Detroit, and now returned again to the Americans. The victory was complete, and the result was all that could be expected, or desired from it. Michigan was recovered.

The British force in Upper Canada was broken down. The savages, that had depended upon the British there, were intimidated, and their connexion with them broken up, and destroyed. The prophet, a most powerful and inveterate enemy of the United States, Tecumthe, the remorseless and intrepid leader, whose steady hostility had wrought so much mischief to us,—these chiefs no longer in being, to lead them to battle, the confidence of the Indians sunk at once, and most of them made terms with the conquering general. The general result to the West was, that the frontier people were relieved from their well founded apprehensions. They no longer mistook by night the howl of the wild beasts for the war-whoop of the savages. They returned in peace to their habitations, their confidence and accustomed pursuits.

While these events were occurring on the northern frontier, the Indians of the west and of the upper Mississippi were not idle. There can seldom be a movement of the savages in one quarter, without exciting a simultaneous movement of them in another quarter. The incursions of the northern and western Indians were so severe upon the frontiers of Illinois and Missouri, that many of the incipient settlements in both those territories were broken up. The Indians often extended their ravages to the central villages of those regions. A band of Sacs, Foxes and Pottawattomies ranged through Missouri, and committed a great number of the most atrocious murders. In some instances, whole families were destroyed, and their accustomed fury was let loose upon women and children. A considerable force of mounted rangers was raised in the two territories. They were active and vigilant, in scouring the frontiers, and in repressing the savage incursions.

Meanwhile, the war with the Creeks still raged in the south. After the battle of Tallushatchee, general Jackson

was still waiting in the Indian country for the junction of the troops from East Tennessee. Intelligence was despatched to him, that the hostile Indians had arrived before Talladega, a fort, or town of friendly Indians. These Indians had incurred their peril, by their fidelity to the United States. Honor and policy alike forbade, that they should be sacrificed. General Jackson, although painfully disappointed in his expectations of the junction of forces from East Tennessee, marched directly to the aid of the friendly Indians. The force of the Americans was not far from 1,800.

On the 8th of December, 1813, at one in the morning, the army began crossing the river, behind which the Indians were posted. It was here 600 yards wide, and of course to cross it was a work of difficulty, as well as time. The next day, at four in the morning, the army was again in motion. The infantry proceeded in three columns; the cavalry in the same order. The advance, consisting of a company of artillerymen, with muskets, two companies of riflemen, and one of spies, marched about 400 yards in front, under the command of colonel Carroll, with orders, after commencing the action, to fall back on the centre, and draw the enemy after them. Lieutenant colonel Dyer was placed in the centre with 250 cavalry, as a corps of reserve. The remainder of the mounted troops were directed to advance on the right and left, after encircling the enemy, by uniting the fronts of their columns, and keeping their rear rested on the infantry, to face and press towards the centre, so as to leave the savages no possibility of escape. The remainder of the army advanced by heads of companies, general Hall's brigade occupying the right, and general Roberts' the left.

At eight in the morning, the advance, within eighty yards of the enemy, received a severe fire from them, concealed, as they were, behind a thick shrubbery. They

returned it, and according to their instructions, fell back upon the centre. The enemy, with their customary yells and whoops, rushed upon general Roberts' brigade, a few companies of which recoiled in alarm, and fled at the first fire. To fill the chasm created by this desertion, the commanding general directed a volunteer regiment of colonel Bradley, which appeared to linger, to advance, and occupy the vacant space. This order was not executed by Bradley. Owing to this failure, it became necessary to dismount the reserve, which met the rapid approach of the enemy with great firmness. This example inspirited the retreating militia, who rallied, and assisted in checking the advance of the savages. On the left, they were met and repulsed by the mounted riflemen. But, owing to the dilatory movements of the volunteer regiment, and the too extensive circuit made by colonel Allcorn, who commanded the cavalry of that wing, the intended circle was not so closed but that a number of the enemy escaped in the interval.

The savages fought with determined spirit for some time, and then retreated for the adjacent hills. Many of them fell in this retreat, and the slaughter did not cease, until they were sheltered among the hills, at the distance of three miles. General Jackson, in his report, bestowed the highest commendations on the officers and soldiers generally. He mentioned colonel Carroll and lieutenant colonel Dyer in terms of high praise, for the spirited gallantry, with which they met and repulsed the enemy;—stating, that both officers and privates had answered his highest expectations, and merited the gratitude of their country.

The enemy brought 1,000 to this battle, of whom 200 were killed on the field. It is supposed, that many were killed in the flight. Few escaped unwounded. Their whole loss, as since stated by themselves, was about 600.

The American force lost fifteen killed and eighty wounded, of whom many afterwards died.

A scene ensued this victory, that would be difficult to describe. The friendly Indians had been besieged closely for several days. They were a handful, surrounded by infuriated enemies. Torture and the most horrible death were in reserve for them, as the certain consequence of surrender. In their siege, they endured every privation, particularly the dreadful one of water. They were relieved on the very day, when an assault was to have been made upon them, which would, almost inevitably, have resulted in the destruction of every one of them. Their deliverance was one of the few occasions, that melts even the savage heart to tenderness and joy. The manifestations were affecting. Famished, as they had been, they sold their provisions for the supply of the famished troops of general Jackson.

Imagination can scarcely conjure up more difficulties, than those, which the general had to encounter in this campaign. General Cocke, who commanded the troops from East Tennessee was, like general Jackson, a major general, having apparently a separate and independent command, and charged with precisely the same objects; to avenge the injuries of the country, and punish the savage foe. He seems to have been equally hearty in the cause. His reasons for attempting a separate campaign were, that on joining his troops to those of general Jackson, adding the number of so many mouths to be filled, would cause the famine, that already prevailed in his camp, to press still more heavily on the troops of both generals; and that in an united command the former would gain all the laurels.

Looking in vain for aid from that quarter, suffering personally from famine at his own table, and still more from

witnessing the privations of the camp, and the mutinous and complaining spirit of insubordination, so natural to men situated as were the troops from Tennessee, the general was obliged to turn his back upon all the advantages already gained, and to retreat under the aspect of defeat, rather than of victory.

All these difficulties were increased by the arts of some officers among his troops, who, believing that the campaign was about to break up, wished to be the first to return home, and render themselves popular by being the heralds of their own exploits, and by taking part in the complaints of the soldiers. The officers and soldiers of the militia, collecting in their tents, and talking over their grievances, finally determined to abandon the camp, and return home. The general had immediate warning of their purpose, and was determined at every hazard to prevent it. At the moment, when they had determined to carry their intentions into effect, they beheld the volunteers, with the general at their head, in front of them, with positive commands to prevent their advancing, and to compel them to return to their camp. This decision and energy overawed them, and they returned to their camp, not only without murmuring, but extolling the unalterable firmness of their general.

The next day presented a different spectacle. The volunteers, who had been the day before the instruments of compelling the militia to return to their duty, participating with them in the same discontents, and secretly wishing well to the cause, began in turn to mutiny themselves.—Knowing the disaffection of the militia, they deemed, that when their discontents were manifest, there would be no power in the hands of the general, to prevent their carrying their plans into effect. To their surprise, they found the militia disposed to return the good offices, which they

had received; and when they had made all their arrangements to move off, they found the militia between them and their purpose, manifesting a fixed determination to obey the orders of their general. They fell in with the example, which had been placed before them the day before, and moved back in quietness to their quarters.

Part of these amusing results may be ascribed to pique, and the gratification, which the parties alternately felt, in being able to thwart the views of those, who had so lately crossed their own. Added to this, they were conscious, that they had complained beyond their causes for complaint. They were anxious, from a great and mixed variety of motives, to return to their homes. But the militia appear to have stopped short in their mutinous spirit sooner, than the volunteers. To the latter there seemed no alternative between carrying their point and dishonor. They were anxious that their cause should prosper, that it might seem to be founded in justice. The wishes of the cavalry to return had such a just foundation, from the impossibility of procuring forage, that on a solemn pledge by their platoon and field officers, that they would return, as soon as their horses were recruited, and themselves furnished with winter clothing, general Jackson granted their request, and they immediately set out on their return.

The discontent was smothered for the moment, but it was not quenched; and the general was aware, that on a favorable occasion, it would be sure to burst forth again. His prospects of supply were brightened by letters, just received from the contractors, that provisions for the army were then on the road, and would shortly arrive in the camp. Under these circumstances he assembled his troops, and addressed them in the most energetic and animating terms, imploring them by every consideration, to

follow up the blow, they had struck; promising them, that if supplies did not arrive in two days, he would himself march back with them; requesting them to reflect seriously upon the subject during the following night, and let him know the result of their intentions on the succeeding morning. On retiring to their tents, and deliberating on the measures proper to be adopted on this emergency, the officers of the volunteers concluded, that nothing short of marching the army immediately back to the settlements could prevent the disgrace, which must attend a forcible desertion of the camp by the soldiers. The officers of the militia determined differently, and were willing to remain, until it could be ascertained whether a supply of provisions could be had. 'If it can,' said they, 'let us proceed with the campaign. If not, let us be marched back, where it can be procured.' The general, who greatly preferred the latter opinion, was nevertheless disposed to gratify those, who appeared unwilling to submit to further hardships, and he ordered general Hall to march his brigade to fort Deposit, where a supply of provisions was collected, and after satisfying their own wants, to return, as an escort to the provisions. The second regiment, however, unwilling to be outdone by the militia, consented to remain, and the first proceeded alone. On this occasion, the general could not forbear to remark, 'that men, for whom he had cherished so warm an affection, and for whom at all times he would have been willing to make any sacrifice, desiring to abandon him at a moment, when their presence was so particularly necessary, filled him with emotions, which language was too feeble to express.'

The two days had elapsed, since the departure of the volunteers, and no supplies had arrived. The militia demanded, that the pledge, which had been given them, that they should be marched back, should be redeemed. The

pledge had been given under the confident expectation, that the provisions would arrive within the two days.— Nothing now remained, however, but to redeem the pledge. It was a moment of deep dejection to the general. All the objects, on which his heart had been so earnestly fixed, were apparently about to escape him, if his men should abandon him, and he be compelled to relinquish his conquests to the possession of the enemy. While indulging these gloomy meditations, he exclaimed earnestly, and aloud, ‘If only two men will remain with me, I will never abandon this post.’ Captain Gordon, of the spies, facetiously replied, ‘You have one, general. Let us see, if we can not find another;’ and immediately, with a zeal suited to the occasion, he undertook with some of the general staff to raise volunteers, and in a little while succeeded in procuring 100, who pledged themselves to remain, and protect the post. The general, delighted with the idea, that he should not be compelled to abandon his position, marched towards fort Deposit with the remainder of the army, with the distinct understanding, that on meeting supplies, they were to return and prosecute the campaign. They had not marched more than twelve miles, when they met 150 beeves. A sight, which gave the general so much delight, was to the discontented equally unwelcome. Their faces were towards home, and the prospect of returning back to the war was hateful. As soon as their devouring appetites were appeased, they were ordered to return to their encampment. Low murmurings ran along the lines, and presently broke out into open mutiny. One company was already moving off in a direction towards home. As soon as the general was informed of this, he pursued them with a part of his staff, and a few soldiers with general Coffee, who had halted a quarter of a mile in advance. He ordered them immediately to form across the road, and to

fire on the mutineers, if they attempted to proceed. Snatching up their arms, these faithful adherents presented a front, which awed the deserters, and caused them to retreat precipitately on the main body. But the example of mutiny was contagious. He soon ascertained, that a whole brigade was in the attitude of marching back by force. In this crisis, having taken his ground, he determined to triumph, or perish. Seizing a musquet, and resting it on the neck of his horse, for he was disabled by a wound from the use of his left arm, he threw himself in front of the mutinous column, and declared, that he would shoot the first man, who should venture to advance. In this situation he was found by major Reid and general Coffee, who judging from the length of his absence, that some disturbance had arisen, hastened to his side, and waited the result of his perilous determination, in the anxious suspense of expectation. For many minutes the column preserved a sullen, yet hesitating attitude, at once fearing to proceed, and reluctant to retreat. In the meantime, those, who remained faithful to their duty, amounting to about two companies, were collected and formed in rear of the general, and in advance of the troops with positive orders, to imitate his example in firing, if they attempted to advance. The timidity, resulting from the consciousness of a bad cause, prevailed. They returned quietly to their posts.—This firmness at this critical moment undoubtedly saved the campaign, and perhaps determined the issue of the war. There are but few men, who could have adopted such a course with safety.

Shortly after the battle of Talladega, the Hillabee tribes, who had suffered most severely on that occasion, sued for peace. General Jackson sternly demanded the proper reparation and submission, assuring them, that fort Mimms should long be remembered by them in bitterness and

tears, but informing them, that on manifestation of sincerity in their desires for peace, he was not disposed to make war on those, who were willing to become our friends.

But before this answer arrived among them, general White had attacked, and destroyed their town, killing 60, and making 256 prisoners. This unfortunate circumstance contributed to the desperation, with which the Creeks afterwards fought. They had asked for peace on the general's own terms. Finding themselves attacked under such circumstances, it produced among them the false conviction, that no submission would avail them, and they considered it, as a war of extermination. There is no instance afterwards of their asking for quarter, or manifesting a disposition to receive it.

We have been thus particular in giving the details of the first difficulties and mutinies, which general Jackson had to encounter, at the commencement of the Creek war, as they serve as accurate samples of all his subsequent difficulties, in bringing this war to a successful termination.

They remind us of the trials, which Washington had to endure, in prosecuting the war of the revolution. His soldiers were little accustomed to any, even the most necessary control. They were full fed, and much accustomed to spend their time at their own discretion at home. Their enlistments were for periods too limited. The arrangements of the contractors for supplies were grossly mismanaged. Some of the officers were no better, than partizans. So formidable were the difficulties in the way of prosecuting the campaign, that even the governor advised its abandonment. The troops were not certain, whether they were to look to the general government, or that of their state for their pay; or whether they might not ultimately fail of being paid by either. On the 12th of De-

cember, general Cocke arrived with 1,500 men; but it was found, that they were not brought into the field under the requisition of the president of the United States; that the term of service of a great part of them would expire in a few days, and of the whole in a few weeks. Mutiny succeeded to mutiny; and such was the general gloom of the prospect, that a man of any other temperament and character, than that of general Jackson, would have yielded to the advice of governor Blount, and wearied, and disgusted with quelling mutiny in one form to-day, only to see it renewed in another to-morrow, would have abandoned the enterprize forever.

Not so general Jackson. He harangued his troops.—He appealed to every motive, that can influence the human heart,—their honor, their patriotism, their avarice, and their fears in turn. The more obstacles and impediments arose before him, the more firmly he attached himself to the cause. In one instance he ordered the arrest of a mutinous officer, lieutenant Kearly, and demanded his sword. His reply was, ‘that he was a free man, not subject to the orders of general Jackson, or any other person;’ declaring at the same time, that his sword should protect him on his way to Tennessee. The guards, who were ordered to arrest him, cocked their guns. Lieutenant Kearly and his men did the same. The general hastened to the scene, and demanded Kearly’s sword in person, which he persisted to refuse. The general snatched a pistol from his holster, and was levelling it at the breast of Kearly, when friends interposed, and he was induced to surrender his sword. During the crisis, both parties were prepared to fire, and a scene of bloodshed was narrowly escaped.—Under these discouragements, and the departure of the troops from East Tennessee for their homes, and the scattering away of his forces, he was far from being induced

to despond, and he was determined to prosecute the campaign, with the feeble force, still remaining with him.

On the 2d of January, 1814, colonel Carroll and Mr. Blackburn arrived at head quarters, reporting the approach of 850 volunteers. These men had scarcely arrived, and chosen colonels Perkins and Higgins to command them, when these officers refused to march their regiments to head quarters under command of general Coffee. There was no small difficulty in quelling this mutiny, and it was not until the 13th of the month, that these officers arrived at head quarters with their regiments. The whole effective force at this time consisted, according to the report, of only 900 men, and was in reality short of that number.

On the 15th, the troops commenced their march, and moved to Wehoguee creek, three miles from fort Strother. At Talladega he was joined by 200 friendly Indians, badly armed, and discouraged at the weakness of the united force. A thousand men under such circumstances were led into the heart of an enemy's country, with no possible hope of escape, but from victory. To march seemed now the only alternative, although it was a course so full of peril. To march was necessary, to afford a diversion favorable to general Floyd, who was advancing from Georgia with an army against the Creeks. Another reason rendered this course indispensable. The officer, commanding at fort Armstrong, had received intelligence, on which the utmost reliance was placed, that the warriors from fourteen or fifteen towns on the Tallapoosa were about to combine their forces, and attack that place. For the want of a sufficient garrison, it was in a defenceless condition. On reaching Talladega, the general received a letter from the commander at fort Armstrong, confirming the report, that this depot was about to be attacked. He

was also informed by an express from general Pinckney, that general Floyd was moving on the Creek country, and would shortly be at Tuckabatcha. The express desired him, for various reasons, to advance upon such of the Creek towns, as might be within striking distance from him.

Had he hesitated before, these advices would have decided him. It was understood, that the hostile force was collected in a bend of the Tallapoosa, near the mouth of a creek, called Emuckfaw. On that point he marched by the shortest route. As he advanced, he became more and more sensible of the ignorance of his guides, and the inexperience and insubordination both of his officers and troops. But they were in high spirits, and anxious to meet the enemy. On the 21st, the general encamped his small force on the eminences, that overlooked Emuckfaw, and made every preparation against an attack. At midnight, spies reported, that they had discovered a large encampment of Indians at three miles distance, yelling, and dancing in a manner, to indicate, that they were apprized of his arrival. At dawn of the next morning, the alarm guns of the sentinels, succeeded by shrieks and savage yells, announced the attack of the enemy. Their first assault was on the left flank, commanded by colonel Higgins. It was met, and opposed with great firmness. General Coffee and colonels Carroll and Sitler instantly repaired to the point of attack, and by example and exhortation encouraged the men to their duty. The action raged for half an hour. The brunt of it being against the left wing, it had become considerably weakened. The first part of the action had taken place, during the dimness of twilight. The clear light of the morning, showing the position of the enemy, and captain Ferril's company having reinforced the left wing, general Coffee directed a

charge, and a rout immediately ensued. The enemy were pursued two miles.

The general immediately detached general Coffee, with the friendly Indians and 400 men, to storm the enemy's encampment, unless it should be found too strongly fortified, in which case he proposed to bring up the artillery. Coffee, having reconnoitered the position, and found it too strongly fortified to be assailed with his force, returned to camp. He had not returned more than half an hour, when a fire was opened on the piquets on the right, accompanied with the usual savage yells. General Coffee volunteered his services to move upon the left flank of the assailants. His detachment was taken from different corps. He placed himself at their head, and moved rapidly upon the foe. While he was thus occupied, the rear of his force had an opportunity to slip away unperceived, until the whole number did not exceed fifty men. He found the enemy occupying a ridge of open pine timber, covered with low underbrush, which afforded them every opportunity for concealment. To drive them from their lurking places, general Coffee ordered his men to dismount, and charge them. In carrying this order into execution, the general was wounded through the body, and his aid, major Donelson, killed.

This was followed by a violent onset on the line of the left. General Jackson repaired in person to the point of attack. The battle was maintained by the assailants, by quick and irregular firing from behind logs, trees, shrubbery, and whatever could afford concealment. Behind these they prostrated themselves, after firing, to reload, and rise, and fire again. After sustaining this fire for some time, a brilliant and steady charge, under colonel Carroll, broke their array, threw them into confusion, and caused

them to fly. Their loss, though it was certainly considerable, was not exactly known.

On the right, general Coffee had not been able to drive them from their fastnesses to his wish; and with a view to draw them from their retreat, he affected to retire towards the place, where he had first dismounted. This stratagem had the desired effect. They forsook their hiding places, and advanced rapidly upon him. The fight was renewed again on equal terms. A severe contest ensued, which lasted almost an hour, with nearly the same loss on each side. At this crisis, when several of the detachment had been killed, many wounded, and the whole was exhausted with fatigue, a timely reinforcement from general Jackson made its appearance on the enemy's left flank, and put an end to the contest. General Coffee, although severely wounded, instantly ordered a charge, from which the enemy fled in consternation, and were pursued with great slaughter. At this place few, if any, escaped. It was a day of almost continual hard fighting.

The night, that drew on after such a day, amid the gloom of a forest, would naturally be dispiriting to troops, most of whom had never before seen an enemy, or formed a distinct idea of the horrors of a battle. The spirits of the men were observed visibly to flag, as the darkness increased. During the night, at every the least noise, the sentinels would fire their alarm guns, and retreat upon the main body. General Jackson, having accomplished the main objects of the expedition—a diversion in favor of general Floyd, and the relief of fort Armstrong, began to think of returning to his former station at the Ten Islands. The impossibility of subsistence for men and horses, where they were, rendered this measure indispensable. The appearance of a retreat, too, would probably draw the savages from their strong holds, where they could not be

marked, with his present force, with any prospect of success. Every arrangement for the comfort and conveyance of his wounded being made, he began his retreat, at ten the next morning. He marched without interruption, until nearly night, and encamped on the south side of Enotichopco creek.

The next day, various circumstances instructed the general, that he was pursued. The delay of an attack led him to fear, that he was marching into an ambuscade. The necessary crossing of a deep ravine between two hills, sheltered with thick shrubbery and brown sedge, affording a most favorable concealment for savage attack, exposed him to an ambuscade. A few pioneers were despatched to find another crossing place. At this place the front guards and part of the columns had passed, and the artillery was crossing. The company of captain Russell, who marched in the rear, was suddenly attacked by greatly superior numbers. The general had made all possible arrangements for the emergency of an attack in this place, and calculated on a certain victory. Great was his astonishment, when he beheld the right and left columns of the rear guard, after a feeble resistance, giving way, carrying confusion and dismay with them, and obstructing the passage, over which the principal strength of the army was to be recrossed. This timid deportment was well nigh being followed with the most fatal consequences, which were only prevented by the determined bravery of a few men. Nearly the whole of the centre column had followed the example of the other two. Not more than twenty men remained, to oppose the torrent of assault. The artillery company, commanded by lieutenant Armstrong, and composed of young men of the first families, who had volunteered their services at the commencement of the campaign, formed with their musquets before their piece of

ordnance, and hastily dragged it from the creek to an eminence, whence they could discharge it on the enemy to advantage. This piece they defended with the most desperate bravery against an enemy five times their number, and checked the advance of a foe, already animated from beholding the consternation, which his first shock had produced. The brave Armstrong fell beside his piece, exclaiming as he fell, 'Some of you must perish; but do not abandon the gun.' By his side fell, mortally wounded, his associate and friend, Bird Evans, and the gallant captain Hamilton. In the meantime, general Jackson and his staff, by the greatest exertions, were enabled to restore something like order. The enemy, perceiving a strong force advancing upon them, and being warmly assailed on their left flank by captain Gordon at the head of his spies, in their turn were stricken with alarm, and fled, throwing away whatever retarded their flight. They were pursued two miles; many were destroyed, and the remainder wholly dispersed.

The highest praise was due, and was given to general Coffee. In consequence of the wound he had received at Emuckfaw, he was carried only the day before on a litter. He was this day on horseback, and commanded with his usual calm and deliberate firmness. On this crisis all etiquette was thrown aside, and officers and men each fought in the place, where his services seemed to be necessary. The hospital surgeon, Dr. Shelby, rendered important services in the battle. Captain Gordon, by his opportune sally on the left flank of the savages, essentially contributed to restore the fight. The adjutant general, Sider, displayed the greatest firmness. Of general Jackson, it is but justice to remark, that but for him, rout and ruin must have ensued. Firm, energetic and self-possessed, he was alike the rallying point for the timid and the brave.

Amidst showers of balls, he calmly performed the duties of subordinate officers, rallying the wavering, arresting their flight, restoring order to his columns, and inspiring them by his example. An army retreating in dismay was thus rescued from the inevitable destruction, that must have ensued from a rout. The American loss was twenty killed and seventy-five wounded, some of whom afterwards died. The loss of the enemy could not be accurately ascertained. Scattered on the heights and hollows, many of the wounded escaped, and many of the killed were not found. Their prisoners estimated their loss at considerable over 200, although they endeavored to conceal the extent of it among themselves, by representing, that many of the slain were gone on an expedition, that they might thus account for their absence.

The army returned without accident to fort Strother. Fort Armstrong was relieved, and such a diversion had been made in favor of general Floyd, from Georgia, that he had been enabled to gain a victory over the savages at Autossee, where, but for this movement, he would have been outnumbered by the enemy, and would, probably, have experienced a defeat. The army returned triumphant, and experience has proved how easily the ranks of a victorious army are filled.

This army, whose term of service had nearly expired, was discharged. The spirit of the people was roused, and a new army was speedily collected, with a longer period of enlistment. A renewal of the difficulties of supplies and of insubordination was experienced, though in a less degree, than at the commencement of the former campaign. These evils, in a greater or less degree, are inevitably incidental to the calling into service inexperienced militia, whose submission and duties are not settled by prescription, who are subjected to conflicting authorities,

the limits of which are not well defined, and who constantly experience in the camp the most earnest longings to return home.

The severe example of the execution of a mutinous private, John Woods, had a most salutary effect in checking the incipient spirit of mutiny, and probably prevented a second edition of the original difficulties from that quarter. But there remained anxieties enough, to leave little repose or quietness to the general. The East Tennessee brigade, under the command of general Doherty, manifested, also, symptoms of disaffection, and was hardly restrained from returning immediately home. One hundred and eighty men deserted in a body. To put an end to this order of things, general Jackson issued an order to general Doherty, to arrest, and send to fort Strother under guard, any officer, of whatever rank he might be, who should be found in his camp, attempting to incite the soldiers to mutiny.

About this time, colonel Dyer was detached with 600 men to the head of the Black Warrior, to ascertain, if there were any Indians embodied in that quarter, and if there were, to disperse them, and prevent their coming on the rear of the army. This detachment marched eight days along the ridges of the Cahaba, and fell in with a trail of the enemy passing eastwardly; but being able to gain no certain information of them, they desisted from the pursuit, and returned to camp.

On the 14th of March, 1814, general Jackson had made such arrangements, and obtained such supplies, as enabled him to commence his march for the enemy. At the mouth of Cedar creek he established fort Williams. On the 24th, leaving a sufficient force for the protection of the fort, under brigadier general Johnston, he set out for the Tallapoosa, by the way of Emucklaw. His whole effective force was something less than 3,000 men. At ten in the morning of

the 27th, after a march of fifty-two miles, he reached the village of Tohopeka. The enemy had collected here in considerable numbers, to give him battle. The warriors from Oakfusky, Hillabee, Ensalee and New Youcka, amounting to nearly 1,200, were at this place waiting his approach. They had selected an admirable place for defence. Situated in a bend of the river, which almost surrounded it, it was accessible only by a narrow neck of land. This they had used great exertions to render impregnable, by placing large timbers and trunks of trees horizontally on each other, leaving but a single place for entrance. From a double row of port holes, they were enabled to fire in perfect security behind it. General Coffee, with mounted infantry and friendly Indians, had been despatched early in the morning, to encircle the bend, and manœuvre in such a way, as to divert the savages from the real point of attack. He was particularly directed to prevent their escape to the opposite shore in their canoes, with which, it was represented, the whole shore was lined. The general posted the rest of his army in front of the breastwork. He began to batter their breastworks with his cannon. Muskets and rifles were used, as the Indians occasionally showed themselves. The signals, which were to announce, that general Coffee had gained his destination, were given. The soldiers hailed it with acclamations, and advanced with the intrepidity of veterans. The 39th regiment, led on by their skilful commander, colonel Williams, and the brave, but ill-fated major Montgomery, and the militia, amidst a sheet of fire, that poured upon them, rushed forward to the rampart. Here an obstinate and destructive conflict ensued. In firing through the port holes on either side, many of the enemy's balls were welded between the muskets and bayonets of our soldiers. At this moment, major Montgomery, leaping on the ram-

part, called to his men to follow him. Scarcely had he spoken, when he was shot through the head, and fell. Our troops had now scaled the ramparts, and the savages fled before them, concealing themselves under the brush and timber, which abounded in the peninsula, whence they still continued a galling fire. Here they were charged, and dislodged. Their next alternative was their canoes; but they perceived, that a part of the army lined the opposite shore, and precluded escape on that quarter. They, that still survived the conflict, leaped down the banks, and took shelter behind the trees, which had been felled from their margin. A flag with an interpreter was here sent them, to propose a surrender. They fired upon the party, and wounded one of them. Ascertaining their desperation, orders were given to dislodge them. The brush and trees about them were set on fire by lighted torches, sent down among them, and the blaze drove them from their hiding places, and brought them to view. The slaughter continued, until night concealed the combatants from each other. A few of the misguided savages, who had avoided the havoc of the day, made their escape under the covert of the darkness. The friendly Indians contributed not a little to the completeness of this victory. Several of the Cherokees and Russell's spies in the heat of the action swam across the river, and fired the Indian town in the rear of the foe. Thus they found themselves assailed on every side, and vulnerable on a quarter, from which they had not expected an attack.

This battle gave a death blow to their hopes, nor did they afterwards venture to make any decided stand. Here they had strongly fortified themselves. Here their prophets had led them to believe, that they were secure of the aid of the 'Great Spirit,' and invincible. They had never met with so severe a loss, in any previous engagement.

Their best and their bravest warriors fell. Few escaped the carnage. Many were thrown into the river, while the battle raged. Many were destroyed by Coffee's brigade in endeavoring to cross it; and 557 were found dead on the field. Among the slain were three of the prophets. These miserable impostors, with the fantastic and magic finery of 'medicine men,' danced, and howled, and prophesied, and kept up the delusive confidence of the savages to the last. Monohoe, one of the chief of them, fell with a cannon shot in the mouth, at the very moment, when uttering his incantations, and urging them to stand to the fight. Four men only, and 300 women and children, were taken prisoners. The small number of men, who surrendered, give an impressive view of the desperation, with which they fought. The assault by the troops from East Tennessee upon the Hillabee clans, after they had sued for peace on our own terms, had caused them to relinquish all confidence in our humanity, and to trust to nothing, but bravery and despair. Our loss, including the friendly Indians, was 55 killed, and 146 wounded.— Among the former was major Montgomery, a brave and promising young officer of the 39th regiment, and lieutenants Moulton and Somerville, who fell early in the action.

The general sunk his dead in the river; for he had found by experience, that when they were buried, the savages raised the bodies, stripped, and scalped them, presenting the scalps among their own people, as trophies of victory, and thus tending to inspirit them with these horrid badges of triumph, to prolong the war. Having made the necessary arrangements for carrying off his wounded, he returned safely to fort Williams.

On the 2d day of April, the general issued a very spirited address, in the form of congratulation to his soldiers. Un-

derstanding, that the enemy were emboldened in considerable numbers at Hoithlewalee, a town not far from the Hickory Ground, he was desirous to recommence operations, as soon as possible. Too much weakened by sickness and the loss of the late battle, and some soldiers discharged, to open the campaign, as efficiently, as he could choose, with his own forces, he wished to form a junction with the army from Georgia. The North Carolina troops, under the command of general Graham, an experienced revolutionary officer, and those of Georgia, under colonel Milton, were announced to be somewhere not far south of Tallapoosa, and could not be very distant.

On the 7th, with all his disposable force, he commenced his march with the double view of effecting this union, and of attacking on his route the enemy's force collected at Hoithlewalee. Could the enemy at the point, they now occupied, be brought to fight, and a decisive advantage obtained over them, they might be induced to submit to terms, and the war be ended. But if suffered to escape, they might again collect, and give battle at some fortunate moment, and protract the war. This could in no way be so effectually prevented, as for the Tennessee troops to advance upon them from the north, and the Carolinians and Georgians from the south, making such a disposition, as would prevent their escape by crossing the river, and passing off by the Escambia to Pensacola.

It was some time, before he could procure confidential messengers, to convey the information of his intended movements to the southern army. He wrote by expresses, sent on two different routes, that on the 7th, he should march with eight days' provisions for Hoithlewalee, which he expected to attack on the 11th; and he urged the necessity of proper concert on their part, to meet this movement. High waters prevented his reaching his destina-

tion, until the 13th, before which the enemy had been sufficiently apprized of his approach, to flee. The rear only of the retreating savages was overtaken and 25 of them made prisoners. The next day, part of the town of Hoithlewalee was destroyed by a detachment of the army; but the inhabitants and warriors had fled.

The next day, the long desired junction with the southern army was effected. The Tennessee army was in a state of famine. Colonel Milton, who commanded the southern troops, proposed to lend general Jackson a temporary supply, but felt himself under no obligation to furnish any. To this courteous proffer, the general answered by ordering him immediately to send him 5,000 rations, and to join him by ten the next day at Hoithlewalee. The junction was accordingly effected. The necessary steps were taken to bring down provisions from fort Decatur, and no further inconvenience was felt for want of supplies.

The principal chiefs of the Hickory Ground tribes, and the Creek chiefs generally, came in with protestations of friendship, and applied for peace. The answer was, 'that those of the war party, who wished to put an end to the contest, and become friendly, must manifest it, by retiring in the rear of the army, and settling themselves to the north of fort Williams. Fourteen chiefs were willing to furnish still further evidence of their desire for peace.— They assured the general, that their aged king, Tous-hatchee, would have come with them in person, but was on his way with his followers, to settle north of fort Williams, according to the information, which he had received from the general by a flag.

It was expected, that the Indians would make a final stand at the Hickory Grounds, in the forks near where the Coast and Tallapoosa unite. The army continued its march for this place, without hearing of any embodied

enemy. At the old Toulossee fort on the Coosa, not far from the confluence, and where the two rivers approach within 100 poles of each other, a fort was directed to be raised, to be named after the commanding general. Here the hostile chiefs arrived daily, with assurances of friendship and proffers of submission. They concurred to state, that those of the hostile chiefs, who were still opposed to peace, had fled to the gulf coast and Pensacola. To these applications an answer was returned similar to the former.

To test the sincerity of their professions, they were directed to bring the notorious chief, Weatherford, bound to the camp. He was one of the most influential chiefs of the nation, and had been the principal actor in the butchery at fort Mimms. Soon after, the general was surprised by a personal visit from that chief, who had come voluntarily, and without being known, had been admitted to the general's quarters. He entered with a calm front, and said, 'that he had come to ask peace for himself and his people.' The general expressed his astonishment, that he, whose conduct at fort Mimms had been so well known, and who must be conscious, that he deserved to die, should venture to appear in his presence. 'I had directed,' he continued, 'that you should be brought to me confined. Had you appeared in this way, I should have known how to have treated you.' Weatherford replied, 'I am in your power. Do with me, as you please. I am a soldier. I have done the white people all the harm, I could. I have fought them, and fought them bravely. If I had an army, I would yet fight, and contend to the last. But I have none. My people are all gone. I can now do no more, than weep over the misfortunes of my nation.'

This man had probably penetrated the character of general Jackson so far, as to be aware, that this was the

only mode of address, in which to please that intrepid soldier. Somewhat softened, the general informed him, how his nation could be saved, and peace restored to it; and that there was but that alternative; informing him, however, that if the alternative was not acceptable, no advantage should be taken of his voluntary surrender, and that he was at liberty to depart, and unite himself to the war party, when he pleased; but that, if taken, his life would pay the forfeit of his crimes. Otherwise, he was assured, if he chose to remain, that he should be protected.

Weatherford answered, 'that he desired peace, that his nation might be relieved from their sufferings; that, independent of other sufferings, consequences of the war, their cattle were destroyed, and their women and children destitute of provisions. But,' he continued, 'I may well be addressed in such language now. There was a time, when I had a choice, and could have answered you. I have none now. Even hope has ended. Once I could animate my warriors to battle. But I can not animate the dead. My warriors can no longer hear my voice. Their bones are at Talladega, Tallashatchee, Emtuckfaw and Tohopeka. I have surrendered myself deliberately. While there were chances of success, I never left my post, or supplicated peace. My people are now gone, and I ask peace for my nation and myself. On the miseries and misfortunes, brought upon my country, I look back with the deepest sorrow, and wish to avert still greater calamities. If I had been left to contend with the Georgia army, I would have raised my corn on one bank of the river, and fought them on the other. Your people have destroyed my nation. You are a brave man. I rely upon your generosity. You will exact no terms of a conquered people, but those, to which they are willing to accede. Whatever

they may be, it would now be madness and folly to oppose them. If they are opposed, you shall find me among the sternest enforcers of obedience. Those, who would hold out, can only be influenced by a mean spirit of revenge; and to this they must not, and shall not sacrifice the last remnant of their country. You have told us, where we may go, and be safe. This is a good talk, and my nation ought to listen to it, and they shall listen to it.

Such was the oration of Weatherford. The earnestness and bold independence of his after conduct, left no doubt of the sincerity of his intentions.

The necessary blow had been struck, and the war in effect was closed. The spirits of the Creeks were broken down. All, who were disposed still to fight, had taken protection with the Spanish on the coast. Little remained for general Jackson to accomplish, but to give stability and perpetuity to the results already obtained. The Creek country was scoured by his troops, to find any gatherings of hostile Indians, or lurking adherents to them. Knowing the natural perfidy of these people, and that no guarantee for their future fidelity, but their fears, could be expected, he was stern, in adhering to the original purpose, to consider all the Indians, who did not remove to the north of fort Williams, as enemies. By the establishment of fort Jackson, a line of posts was formed from Tennessee and Georgia to the Alabama. The required remove of the Indians interposed this line between them and their communications with the Spanish at Pensacola, and placed them properly within the control of the United States.

On the 20th, general Pinckney arrived in camp, and assumed the command of the army in person. The measures, that had been adopted by general Jackson, in regard to the future fidelity of the Indians, met his entire approbation. The Indians were retiring with their fami-

lies, where they were directed. Much of the property, plundered at fort Mimms, and along the frontier, was restored, and every thing indicated on their part sincere desires of peace. A sufficient force was retained for garrisoning the posts already occupied, and orders were issued, on the 21st, for the troops from Tennessee to be marched home, and discharged. It was a cheering reflection to them, that having seen, inflicted, and suffered so much misery, they were now retiring to their homes, carrying with them the sweetest consolation to the mind of a citizen soldier, that in the trying situations, in which they had been placed, they had acted with honor, had done their duty, and were returning to their retired and peaceful dwellings, covered with glory.

It is matter of regret, that even while these arrangements were making, the friendly Creeks were engaged in pursuing, and destroying their fugitive countrymen, with the most unrelenting rigor. To have been at fort Mimms, was a ground of accusation against a warrior, that at once placed him out of the pale of mercy. They viewed, or affected to view this unprovoked outrage with more vindictive feelings, than did even our own troops. A Creek party was on its way to our camp, for the purpose of making their submission. The friendly Creeks, understanding, that they had accompanied Weatherford in his attack upon fort Mimms, met them on their way, and put them all to death.

All necessary arrangements having been made for garrisoning the posts, and for the future security of the country, and the proper reports made to general Pinckney, the commanding officer, after an impressive parting address to the troops, general Jackson despatched them to their homes. The freshness of the laurels, which he had gathered in this war, will never fade. He had every thing to

encounter, and he overcame every difficulty. He was the only one of the army, that never despaired of the cause. Such was the promptitude and celerity of his movements, that he was often upon the savages, before they had any intelligence of his approach. He was one of the few men, who inspire universal confidence, and have the secret to command victory.

Humanity will naturally recoil from the contemplation of the misery and ruin, inflicted upon these deluded savages. We may surely take to ourselves the consolation, that our country had exhausted forbearance, before she inflicted vengeance. For more than twenty years the Creeks had been perpetrating cruelties and murders along our frontiers. Many a parent still lives, whose sad remembrance treasures a child, that had bled beneath their murderous hands. Cold Water, on Tennessee river, had long been a den, whence they issued to prowl, and murder. As early as 1787, general Robertson collected a force of volunteers, and destroyed this settlement. Those, who escaped from this place, retired upon the Black Warrior, harboring revenge, and seeking every favorable opportunity for murder, until the winter of 1813, when their towns on that river were assailed, and destroyed.

In the war, that ensued between our country and Great Britain, the prowess of that nation was prodigiously magnified in their eyes. Their prophets contributed to the illusion. They were led to think, that the 'Great Spirit' had taken cause with them, that they were allied with an invincible power, in the British, and that they should ultimately drive away the Americans from the country. The tomahawk and scalping knife were used with unrelenting and unsparing vengeance. A more horrid massacre, than that of fort Mimms, never occurred in the annals of savage barbarity. The Indians were acquainted with the diffi-

culties, which general Jackson had to encounter, and drew encouragement from them. They soon found what kind of character, they had to deal with in him. Instead of confining his plans to the guarding our own frontiers, as under all his trials would have been as much, as another man would have contemplated, general Jackson with his troops burst into the centre of their country, and swept over it, as with a storm. One fatal battle after another convinced them, that their prophets were impostors, and that neither the British nor the 'Great Spirit' protected them from our just vengeance. Their courage was broken down, along with their power, and such results obtained, that we may confidently hope, they will never again, as a nation, raise the tomahawk against us, within the limits of our country.

On the 22d of May, 1814, general Jackson was appointed major general by the general government. He was also associated with the commissioners, for forming a treaty of peace and of limits with the Creek Indians. The usual rules of war, and even of justice, might have authorized the United States to have taken possession of their lands, as a conquered country. But such were not the intentions of the government. In settling the boundaries, and defining the extent of territory, to be secured to the Creeks, there was no inconsiderable difficulty. It was increased by the intrigues of the Cherokee nation, who seemed to expect, as the price of their friendship, during the war, a considerable portion of country, never before attached to their claim. The humane and generous policy of our government demanded of them only such a portion of their country, as should bar every avenue to foreign intrigue, and give additional strength to those sections of the Union, which, from their limited extent of territory,

and consequently of population, were unable to afford supplies for the subsistence of an army, or to give a partial check to the inroads of an invading enemy. The lines defined by the treaty were so arranged, as fully to meet these objects. Sufficient territory was acquired on the south, to give security to the Mobile settlements, and western borders of Georgia, which had so often suffered from savage inroads; while there was effected at the same time the more important purpose of separating them from the Seminole tribes and the hostile savages of East Florida. The frontiers of Tennessee were secured by the cessions along Tennessee river, and the compact settlements, that would be formed there. The extent of the cession west of the Coosa would cut off all communication between them and the Chickasaws and Chactaws, and prevent the recurrence of the passage of emissaries from the north-western tribes, who had been in this war so industrious, in stirring up the hostility of the Creeks. To curtail their country, may wear the aspect of cruelty, and is also so regarded by them. But, that they can no longer subsist east of the Mississippi by hunting, is certain. The sooner their limited extent of territory compels them to forsake their vagrant habits and to become an agricultural people, the happier and the better for them. They have still lands beyond all their needs for the purposes of agriculture. It was, however, a hard struggle with the Creek warriors to give up their lands.

The demands of our government were distinctly and firmly stated by general Jackson. They were canvassed by the Creeks in council, and the nation decided against them. The Big Warrior, one of their leading orators, had been friendly to us during the war. He replied to general Jackson. The firm and dignified eloquence of this untutored orator evinced much of that nerve and force

of expression, of which so much has been said, in describing savage declamation. It evidenced both art and order of arrangement, and concluded in the following terms. 'I made this war, which has proved so fatal to my country, that the treaty, entered into a long time ago with father Washington, might not be broken. To his friendly arm I hold fast. I will never break that chain of friendship, which we made together, and which bound us to stand to the United States. He was a father to the Muscogee people,—and not only to them, but to all the people beneath the sun. His talk I now hold in my hand. There sits the agent, he sent among us. Never has he broken the treaty. He has lived with us a long time. He has seen our children born, who now have children. By his direction cloth was woven, and clothes were made, and spread through our country. But the Red Sticks came, and destroyed all. We have none now. Our situation is hard, and you ought to consider it. I state, what all the nation knows. I will keep nothing secret. There is the Little Warrior, whom colonel Hawkins knows.—While we were giving satisfaction for the murders committed, he proved a mischief maker. He went to the British on the lakes, and brought a package to the frontiers, which increased the murders here. * * * *

'I talk thus, knowing that father Washington advised us, never to interfere in wars. He told us, that those in peace were the happiest people. He told us, that if an enemy attacked him, he had warriors enough, and did not wish his red children to help him. If the British advise us to any thing, I will tell you, and not keep it from you. If they say we ought to fight, I will tell them, no!'

A principal pretext for avoiding compliance with our terms was the declaration, that the war party was not yet subdued, leaving the inference, that we were demanding

compensation, before the services, which it was to compensate, were rendered. The real object was to obtain delay. Shelocta was one of their chiefs, who, by his services and his character during the war, in which, from the beginning, he had taken part with us, had strongly ingratiated himself with general Jackson. He now addressed the general. He was averse to a cession of the extent, which the general demanded. He reminded him of the regard, which he had always shown to his white brethren; that to manifest his friendship, he had fought against his own people; that he was now willing to cede the lands on the Alabama, which would cut off their intercourse with the Spaniards, but was averse to ceding the country west of the Coosa. To soften the general to relax from this point, he appealed to his feelings, reminded him of the dangers they had passed together, and of his constant fidelity in all the trying scenes, which they had witnessed.

If any one could have softened the inflexible purpose of general Jackson, it would have been this man; for he vaunted no fidelity, or services, which he had not rendered. But the policy and justice, on which our demands were predicated, were too clearly defined, to be abandoned from any considerations of this sort. He replied, 'What you desire to retain, is the country, through which the mischief makers from the lakes reached you. Through it leads the path, Tecumthe trod. That path must be stopped.

* * * * *

'Those, who are disposed to give effect to the treaty, will sign it. They will be within our territory; will be protected, and fed; and no enemy shall molest them.— Those, who are opposed to it, shall have leave to retire to Pensacola. Here is the paper. Take it, and read it, and show the president, who are his friends. Consult, and

let me know this evening, who will sign it, and who will not. I do not wish, nor will I attempt to force any of you. Act, as you think proper.'

* The Indians deliberated, and finally signed the treaty. The line of cession began, where the Cherokee boundary crossed the Coosa, to run down that river to the Big Falls, and thence eastwardly to Georgia. East and north of this line, the country remained to the Indians. The country left them, contained 150,000 square miles. The country, west and south of these limits, was ceded to the United States. It included a large and valuable body of lands, known in the West by the name of 'Jackson's purchase.' It immediately began to settle with great rapidity. But directly on the signing the treaty, the Chickasaws, Chactaws and Cherokees set up claims, each to their particular parts of the ceded lands. The government, in the indulgence of that spirit, which has always been magnanimous, and forbearing towards the Indians, though it considered the Greeks, on Indian maxims, to have the best claim; rather than leave ground for the shadow of a charge of injustice, purchased the title of these people, at the expense at least of 350,000 dollars.

General Jackson had now leisure, to extend his thoughts to Florida. His wish had always been, in closing the Creek war, to push through their country to the last den of retreat, and destroy the source of the evils there. He had found it sufficiently difficult, as we have seen, to manage the Creek war, without attempting to carry it further. It was clearly understood, that the Spanish governor of the Floridas had forfeited all claim to his professed neutral character, by the supplies of munitions and aid, so liberally furnished to the hostile Indians. On his way to Alabama, general Jackson received certain information, that about 300 British troops had landed, and were forti-

lying themselves at the mouth of Apalachicola, and were endeavoring to excite the Indians to war. He immediately notified our government of the fact, and requested permission to make a descent upon Pensacola, and reduce it. No answer was received to this request, until after it was too late to act upon it,—that is, to say, not until long after he had acted on his own responsibility in the case.

General Jackson next wrote to the Spanish governor. The tenor of his letter was stern, and decided, and the answer would uncloak the policy of the governor. The principal demand in the letter was, the giving up the hostile Indians in his country. The reply did not come speedily; and when it did come, it denied some of the charges, and palliated others, by bringing equal charges against our government, particularly that of having harbored malecontents and traitors from the Mexican provinces, and of giving an asylum in our harbors to pirates, that plundered Spanish commerce. To this the general answered by another letter, replying to the charges contained in his, and towards the close, instructing him, that he had been informed, that a British flag had been seen flying on one of his forts; and that he could not be surprised, if he, the general, should think fit to make him a visit also, and that he expected, that the governor would find a fort in his town for him and his Indians. It concluded in these words: ‘In future, I beg you to withhold your insulting calumnies against my government for one, more inclined to listen to slander, than I am; nor consider me any more, as a diplomatic character, unless so proclaimed to you from the mouths of my cannon.’

Meantime, captain Gordon, who had been charged with the mission to Pensacola, reported on his return, ‘that he saw from 150 to 200 British officers and soldiers, a park of artillery, and about 500 Indians, armed with new

musquets, and dressed in British uniforms, under drill at Pensacola.' The general again addressed our government with this information, and again urged his favorite scheme, the reduction of Pensacola. He remarked, that had he been permitted to do this, he would, before that date, have planted the American eagle there.

In order to have every thing ready for action as soon as this permission should be given, he ordered the friendly Indians to be marshalled and taken into the pay of the government. He addressed the governors of Tennessee, Louisiana and the Mississippi territory, informing them of the dangers, that menaced the country, and exhorting them to vigilance, energy and preparation.

The day after completing his business at fort Jackson, he departed for Mobile, to put the country in a state of defence. He despatched colonel Butler to Tennessee, to raise volunteers, and have them in readiness to march, whenever they should be required. Every day's intelligence confirmed the persuasion, that the British were about to make a descent somewhere on the gulf shore, most probably against New Orleans. He wrote to colonel Butler, to hasten to him with all the volunteers he could procure. He applied to general Coffee. An address was issued for volunteers. The appeal was not ineffectual, although the campaign was to be in a sickly climate and so remote from home. Two thousand fine soldiers, well armed and equipped, appeared at the place appointed, to follow the brave general Coffee, who had so often led his troops to honor and victory. Colonel Butler pushed forward with the militia under colonel Lowery, while captains Baker and Butler, with the regular troops lately enlisted, arrived at Mobile in fourteen days. By such exertions, all things were in readiness in a few days, and the troops set out for the point to which their country called them.

General Jackson had not as yet received permission from the government, to march against Pensacola; and the point, against which he intended to act with this force, was a secret, as yet locked up in his own bosom. Events soon transpired, which left him in no doubt, respecting the course, which he ought to pursue. Colonel Nicholls, with a small squadron of British ships, arrived at Pensacola, and took up his quarters with governor Manriquez. His proclamation to the southern and western people was a most extraordinary production. It addressed those people, as if they were bound with chains by their government, and as if he had come to aid them to break those chains. He denounced us, as in alliance with the French emperor, of whom he drew a very dark picture. He stated, that he was at the head of a force, amply sufficient to reinstate the people in the possession of those rights and liberties, of which they had been bereaved 'by a contemptible foe.' In security for all the assurances made, and pledges given, he tendered the 'sacred honor of a British officer.'

He waited two weeks, to give time to this proclamation to take effect, when, aided by his Indian and Spanish allies, he set out to ascertain how far it had opened the hearts of the people towards him. His first visit was to fort Bowyer, commanding the entrance of Mobile bay, and eighteen miles below the head of it. In an attack upon this fort, he lost an eye and one of his ships; and learned, that he had been addressing his eloquent periods to an incorrigible race, who could not be made to know their friends from their enemies.

Fort Bowyer had been abandoned, and when general Jackson arrived at Mobile, was in a poor state of defence. He instantly perceived its importance, as commanding the ship passes into the bay, and immediately directed it to be placed in the best possible state of defence. Major Law-

rence had the honor to command this spot, to which his gallant defence has given such just celebrity. His whole force was but 130 men. But it was a Spartan band, which would allow no stain of disgrace to fix upon its flag, even if they were defeated.

On the 12th of September, the sentinels brought intelligence to the fort, that a considerable force, in marines, Indians and Spaniards, had landed near it. The same day, two brigs and sloops hove in sight, and anchored not far distant.

There was no fighting of importance, until the 15th. At half after four in the evening of that day, the *Hermes*, *Charon*, *Sophia* and *Anaconda*, vessels of war, mounting in all 90 guns, anchored at proper distances for firing upon the fort. Colonel Nicholls and captain Woodbine commenced a simultaneous attack by land, with a large howitzer at point blank distance. The latter were soon driven from their sand fortifications. But the action between the fort and the ships was continued and severe. The *Hermes*, shot through the cable, drifted into such a position, as to receive a raking fire. She ran on shore, was abandoned by her commander, was set on fire, and soon blew up. The *Charon* was so injured, as with difficulty to be got to sea.

While the battle raged, the flag of the British van-ship was carried away. It was supposed in the fort, that she had surrendered. Captain Lawrence, with the characteristic generosity of American officers, ordered the firing upon her to cease. A new flag was raised, and a broadside convinced the captain of his mistake. A few minutes after, the flag staff of the fort, also, was carried away. So far from imitating the generous forbearance, which they had witnessed, the British redoubled their fire upon the fort. Woodbine and Nicholls, perceiving the 'star

spangled banner' down, pushed their forces towards the foe, that they deemed vanquished. A well directed fire taught them their error, and drove them back with a celerity, surpassing their advance.

The attack from sea was urged by 600 men, and 90 heavy guns. The attack from the rear was with a force of 400 Indians and other troops. Captain Lawrence had not more than a tenth part of the enemy's force, and of 20 badly mounted guns in the fort, but a few were capable of effecting any essential injury. Their gallant conduct, in the defence, gained them imperishable honors. The enemy retired with the loss of their best ship, and 230 men killed and wounded. That of the Americans did not exceed ten men.

Such preparations had been made for this attack, that scarcely a doubt had been entertained of its success. Incalculable advantages would have resulted to them from the capture of this fort. Mobile must have fallen of course. All intercourse with New Orleans from this section of the country would have been cut off. Having obtained their expected reinforcements, the British would have crossed the Mississippi, and have completely separated the lower from the upper states. It would have impressed the inhabitants with an idea of their prowess, commensurate with that, set forth in their proclamation. In proportion to their expectations from this assault was the humiliation and bitterness of their disappointment.

General Jackson had been instructed of the intended attack upon fort Bowyer. He despatched from Mobile a brig with 80 men, under the command of captain Laval, to sail with reinforcements for the fort. Captain Laval found every path of access guarded in such a manner, that he saw no hope of effecting his purpose, but by running his brig on shore, and marching to the relief of the

fort. Hearing the explosion of the enemy's ship, *Hermes*, as she blew up, he concluded, that the fort was captured, and that all the men had perished in the explosion. He returned to Mobile with his vessel, and reported his impression. The general, too, had heard the explosion, but rightly judged, that it had been on the water, and not on the shore. It was no time for hesitancy. It was probable on the whole, that the fort had fallen, and he determined at all hazards, that it should be retaken. Every thing was prepared for an expedition with that purpose, when a despatch from the gallant Lawrence announced, that the enemy was vanquished, and the fort safe.

The British retired to Pensacola, to refit, and prepare for a descent on some less guarded point. Every thing concurred to strengthen the original impression of the general, respecting the necessity of the capture of Pensacola. He now determined to undertake it on his own responsibility. The reasoning, that determined him, was generous. If the result were unfortunate, or the act disavowed by the government, the sacrifice and punishment of the individual, who planned and executed it, would be as much atonement and reparation for the outrage, as Spain could demand. He resolved, therefore, to reduce Pensacola and the Barrancas, and hold them, until Spain was able, and disposed to cause her neutrality to be respected. This measure he determined to execute, as soon as general Coffee should arrive with volunteers from Tennessee.

Those rumors, that ordinarily precede great events, began to announce, that a great British force, under lord Hill, would shortly sail against some point of the United States. Public opinion fixed upon New Orleans, as the point. It was the key to all the western country, and a place of immense importance, in every point of view. It seems to have been ridiculously, though confidently be-

lieved, that the French inhabitants of Louisiana were generally adherents to the ancient regime, and would hail the English, as the restorers of the legitimate French monarchy. They calculated, too, on the numerous black population, as a source at once of weakness to the country, and an engine of terror, to be employed against the masters. Mercy entered little into the plans of the British campaigns in America, during the last war.

General Coffee arrived with the expected reinforcements; and on the 2d of November, the line of march was taken up for Pensacola. On the 6th, the American force, consisting of about 3,000 men, arrived there. The British and Spanish had made every preparation for resistance. Batteries were erected in the principal streets, and British vessels were so moored in the bay, as to command the main entrance to the town.

It was determined, once more to request an explanation of the governor. Major Pierre, of the 44th regiment, was accordingly despatched with a flag, explaining the objects of the visit, and requiring, that the town and the principal forts should be given up to the United States, until Spain should be able to vindicate her neutral character. An explicit answer was required. On approaching fort St. Michael's, the flag was fired upon, and compelled to return. The Spanish flag waved over the fort, when this outrage was committed. It was true, also, that the British flag had waved there, until the day before.— This outrage upon all the usages of civilized nations did not deter the general from making another attempt to negotiate with the governor, before proceeding to extremities. A Spanish corporal had been taken on the route the day before. He could send him with a letter to the governor, without any fear of outrage. By this message an answer was received from the governor, confirming

the previous opinion, entertained in the American camp, that the outrage in question was not chargeable on him, but on the English,—and he declared himself ready to receive whatever overtures the American general might make. The general hoped to obtain the surrender of Pensacola, in season to cut off the escape of the British ships from the harbor; and he despatched Major Pierre with his overtures at a late hour in the night. The amount of them was, that if the Spanish governor would surrender the town and fortresses, every thing should be receipted for, and become the subject of future arrangement between the two governments; and that persons, property, laws and religion should be respected. The general closed by admitting, that he could not answer for his soldiers, if the place should be taken by the fury of assault. He demanded an answer in an hour.

These propositions were rejected, and the army marched for the accomplishment of their object. To raise the impression, that the army intended to enter the town by the great road, 500 men were sent forward, to amuse, and deceive the enemy in that direction, while the strength of the army approached the town from a different and unexpected point. The stratagem succeeded. The British brought their guns to bear upon the detachment, approaching by the road, and had no intimation of the opposite movement, until our troops were descried on the east side of the town, and out of the reach of the annoyance of the flotilla. The troops pushed on, and were presently in the streets, and sheltered by the houses. The brave captain Laval, with two field pieces, led the advance. He fell at the head of his command, severely wounded, while charging a Spanish battery formed in the street. The several divisions and columns of the army moved rapidly upon the town. Captain Laval's force, although deprived of

their leader, took the battery at the point of the bayonet. The Spanish had been able to make but three fires, before they were obliged to abandon it. They still discharged volleys of musquetry from houses, and behind fences, until the regulars arrived, and drove them away. The governor, remembering the declaration of general Jackson, that he could not answer for his troops, if the place was taken by assault, hastened, panic struck, with a flag to the commander. He was met by colonels Williamson and Smith, at the head of dismounted troops. He entreated, that mercy might be extended to the city, and promised to consent to whatever might be demanded.

General Jackson hastened to the government house, and obtained a promise of an immediate surrender of the town, the arsenals and munitions of war. No time was lost, in procuring what was considered of vital importance, the surrender of the forts dependent upon the town. Barrancas, the most important, was fourteen miles west of Pensacola. The possession of that was deemed of the first importance. Some difficulty was made about the surrender of fort St. Michael; nor was it until a battery was raised against it, that the commandant, colonel Sotto, ordered its flag to be taken down. Previously to striking his colors, he asked permission to fire his guns. It was granted. They were loaded with grape, and discharged upon a party of American dragoons and friendly Indians. By the discharge, three horses were killed and two men wounded. Such base and cowardly conduct might have warranted a different treatment of the garrison from that, which they received.

Every thing was in readiness the next morning to march and take possession of Barrancas, according to the agreement of the governor. Our troops heard on the way a tremendous explosion. Information was soon received,

that the fort was blown up, and that the British shipping had retired from the bay. These strong holds, which had so long given protection to the southern hostile savages, were thus reduced; and the savages and Spaniards received a salutary lesson of respect, in the assurance, that even here they could not find shelter from the justice of our government. This impression was heightened by the exemplary forbearance and good conduct of our troops. General Jackson having thus effectuated his first objects, and not having the means or the inclination to rebuild the demolished fortifications, concluded to retire to fort Montgomery.

Two days after entering Pensacola, he abandoned it. Previous to his departure, he wrote to governor Manriquez, that as the Spanish forts had been blown up by the British, contrary to his promise, the general was no longer able to protect the Spanish neutrality, as in possession of the forts he should have been. The letter concluded thus: 'The enemy have retreated. The hostile Creeks have fled for safety to the forest. I now retire from your town, leaving you to re-occupy your forts, and protect the rights of your citizens.'

The whole conduct and deportment of the American troops, both as regards their gallantry and intrepidity in their advance against the formidable array in the town and in the harbor, and their forbearance and decorum towards the people, whose conduct had furnished but too strong a pretext for revenge, and the use of the rights of the sword, merit all praise. So exemplary was the behaviour of the officers and soldiers, as to extort praise even from the Spaniards, and draw from them the declaration, that our Indians behaved with more decency and propriety, than their friends, that had just left them. They had, in fact, but too much occasion to contrast our conduct with

that of the British, to whom they had rendered every service, and by espousing whose quarrel, they had brought themselves into difficulty. On their retreat from Pensacola, the British carried off with them three or four hundred slaves, against all the claims and remonstrances of the owners. Our loss in the expedition was so trifling, as scarcely to deserve record. None were killed. About 20 were wounded, among whom was captain Laval, whose wound was too severe, to allow of his being moved, and who was recommended to the humanity of the governor, which he amply received; and lieutenant Flournoy, a promising young man, who lost his leg by a cannon shot.

The savages, who had taken shelter in Pensacola, finding themselves abandoned by their allies, sought safety on the Appalachicola. Many of them took shelter on board the British shipping. The general determined, that they should have no rest, nor respite from danger, as long as they preserved their hostile attitude. Understanding, that those, who had embarked on board the British ships, had been landed, so as to join with those, that had fled to Appalachicola, on the 16th he despatched major Blue, at the head of a thousand mounted men, to co-operate with general M'Intosh, of the Georgia militia, in assailing and dispersing these savages, before they could attack our frontiers.

The most important object with general Jackson now, was to depart for New Orleans. General Coffee, and colonels Hayne and Hinds were despatched to the Mississippi, to arrange at different points the defence of the country. General Winchester remaining on the Alabama, to take command in his absence of the Mobile district, general Jackson left Mobile, on the 22d day of November, and established his head quarters at New Orleans, the 1st day of December.

A scene entirely new now opened before general Jackson. He was extremely worn by exhaustion and difficulties of every sort. His health had long been feeble and declining. Washington had been captured, and he was sufficiently instructed by what had happened there, what Louisiana might expect from the capture of New Orleans. It was now with a numerous and well appointed foe, with 'Wellington's invincibles,' that he expected to have to deal. Louisiana, however patriotic in general, was ill supplied with arms; and was settled with a mixed population, speaking different languages, and scarcely yet amalgamated with the people, to whom they were politically bound. His only reliance for defence was on such troops, as this state could raise, the few regulars, which he had with him, and general Coffee's volunteers. His principal fear was, that Mobile might fall, and the enemy advance across the country, upon the left bank of the Mississippi, and all communication with the western country be cut off. No troops or munitions had yet descended from Kentucky or Tennessee. His own apprehensions must have been gloomy; nor was it a pleasant necessity to be obliged to lock up all fears and forebodings in his bosom, and to wear meanwhile a countenance of confidence and hope.

While at Mobile, he had still kept up a correspondence with the governor of Louisiana, urging him to abandon every thing like a temporizing policy, and pursue a steady and unwavering course. The requisition of men in that state had been badly filled, and many, after being drafted, had refused to enter the ranks. The numerous English, Spanish and foreigners in the state could not be counted, as adding much to its strength; for they were either disaffected to the cause, or despaired of it.

Said general Jackson, in his letter to governor Claiborne, 'I regret to hear of the discontents of your people.

They must not exist. *Whoever is not for us is against us.* Those, who are drafted must be compelled to the ranks, or punished. With union on our side, we shall be able to drive our invaders back to the ocean. Summon all your energy, and guard every avenue with confidential patrols, for spies and traitors are swarming around. We have more to dread from intestine, than open and avowed enemies. Remember our watch word is victory, or death. Our country must, and shall be defended. We will enjoy our liberty, or die in the last ditch.'

At the same time he published an animated address to the people of Louisiana. The secretary of war had sent pressing orders to the governors of the adjoining states, to hasten forward their quotas of men and supplies. Tennessee had shown herself in earnest. The venerable Shelby, of Kentucky, had manifested a youthful promptitude and ardor through the war. He now developed the ample resources of his state, and aroused its slumbering energies by manly appeals to the people, and by the inspiring influence of his example. The troops from his state were immediately organized, placed under the command of major general Thomas, and despatched down the Ohio. Major general William Carroll commanded the requisition from Tennessee. On the 19th of December, the day appointed for their rendezvous, 2,500 of the yeomanry of the state assembled at Nashville, and in eight days were embarked, and on their way to New Orleans.

The legislature of Louisiana had been some weeks in session. Their measures had seemed wavering and undecided, until general Jackson arrived among them. His peculiar talent to infuse his own confidence and decision into all about him, and his high fame for bravery and skill, produced confidence and energy in the public mind.—The volunteer corps of New Orleans and vicinity were

reviewed, and the different forts visited, to ascertain their strength; and the passes of probable approach of the foe to the city scrutinized. The old fort at the Balize was abandoned, as incapable of commanding the river, and fort St. Philip occupied, as the lowest point on the river below New Orleans, where the erection of works was thought advisable. This was directed to be put in the best possible state of defence. On the site of old fort Bourbon was to be thrown up a strong work, defended by five 24 pounders, which with the fort above, from the crookedness of the river, would expose an enemy to a cross fire for half a mile. A mile above St. Philip was to be established a work, which, in conjunction with the others, would defend the river for two miles. Measures were also to be taken for defence at Terre au Boeuf and the English Turn, twelve miles below the city. It was believed, that these defences would so concentrate their fires, as that either an enemy could not pass, or would be so shattered, as to fall an easy prey to the fortifications above. The great difficulty was to bring about the completion of these laborious works. Negroes were the only laborers, that in this swampy and insalubrious clime, could be expected to accomplish these objects. A strong appeal was made to the planters, to furnish their servants. 'Not a moment,' said he, 'is to be lost. With energy and expedition, all is safe. Delay, and all is lost.'

The legislature acted with promptitude and zeal. Commodore Patterson, who commanded the naval forces on Lakes Borgne and Ponchartrain, possessed his entire confidence. He had despatched lieutenant Jones with his gun boats, to defend the passes, and every reliance was placed on his vigilance and capacity. The communication between the two lakes was defended by Petite Coquille fort, a strong work, under captain Newman. Every

small bayou and creek, leading out of the lakes, through which boats and barges could pass, was obstructed by fallen trees, and large frames filled with earth, and sunk in their beds. Guards and videttes were out to watch every thing that passed. The great objects of fear with the general were the traitors, who infested the city. In despite of all his precautionary measures, treachery finally pointed out to the enemy a narrow and unobserved pass, through which they reached the banks of the Mississippi, without being discovered.

Both traitors and friends, the former from their hopes, the latter from their fears, blazoned from all quarters the information, that a great and overwhelming force would soon be on our coast. Certain intelligence arrived soon after, that an English fleet had arrived off Cat-and-Ship island, within a short distance of the American lines, where their strength and numbers were daily increasing. Lieutenant Jones, in the command of the gun boats, was directed to reconnoitre their position and force; and if they should attempt the route by the lakes, to retire to the Rigolets, and there make the most obstinate resistance possible. This pass and Chef Menteur, which unite at the entrance to the lake, form a very narrow channel, constituting the only pass into lake Ponchartrain. By inspecting the map of the country, it may be seen what an admirable position it afforded for the defence of gun boats. They might here defy almost any force, that could be brought against them, to gain the city by that route.

On the 13th, lieutenant Jones discovered the enemy moving off in his barges, and directing his way towards pass Christian. He had explicit orders, only to fight the enemy at the Rigolets. He made every effort to get there; but every effort was ineffectual, and his destruction seemed inevitable. At the extreme moment of peril and danger, the tide,

which is altogether irregular there, came suddenly in, and lifting them off the shoal, bore them away from the attack. At the bay of St. Louis was a small depot of public stores, which lieutenant Jones had been ordered to bring away. Mr. Johnson, on board the Sea Horse, proceeded to execute this order. The enemy, on the retreat of lieutenant Jones, despatched three barges to capture him. They were driven back. An additional force was sent against him, when a smart action commenced, and the assailants were again compelled to retire with loss. But, aware that it was out of his power to defend himself against so large a force, as the British could bring against him, he blew up his vessel, burned the stores, and effected a retreat by land.

Early on the morning of the 14th, the enemy's barges, lying nine miles to the east, suddenly weighed their anchors, proceeding westwardly towards the point, where our gun boats lay. They experienced the same difficulty, as before. There was a dead calm, while a current, setting towards the gulf, rendered every effort to retire unavailing. No alternative remained, but to meet, and fight the enemy. The contest, in so unfavorable a situation, and with a force so much superior, promised, indeed, to be a very unequal one. But when there was no other choice, the well known character of American sailors left no doubt, that the resistance would be desperate, and that their flag would experience no stain.

The enemy's force consisted of forty-three boats, mounting as many cannon, and 1,200 chosen men. At half after eleven the action commenced. A strong current drifted two of our boats an hundred yards in advance of the line. This was a misfortune; for small as the chances were, they would still have been better, could the line have been preserved. The enemy bore down on the gun boats in

advance, and attempted to board them. They were repulsed with great slaughter, and two of their boats were sunk. One of them, with 180 men, went down immediately under the stern of one of the two gun boats. A second desperate attempt to board them with a superior force was again repelled. Lieutenant Jones received a severe wound, and was obliged to yield the command to George Parker. He defended the flag with the same valor, as the other, until he was obliged to retire from a wound. The victory was yielded to superior numbers, after a conflict of forty minutes, in which every thing had been done, that skill and gallantry could accomplish. Lieutenants Spedder and M'Ever, and sailing masters Ulrick and Deferris, were mentioned, as having yielded essential services to the commander. The two former were wounded,—M'Ever so severely, as to be obliged to have his arm amputated. The bravery of this Spartan band will remain in the remembrance of their country. The disparity of force between the combatants was increased, by the peculiar construction of the enemy's boats, which enabled them to take any position, which they chose; while ours, from circumstances mentioned above, lay in the water wholly unmanageable. The difference of loss presents a strange result.—The American loss was six killed and thirty-five wounded. That of the assailants could not have been less than three hundred.

The enemy withdrew their shipping to Cat island, carrying with them the conviction, that the people were as little disposed to receive them, as they expected, with open arms in this quarter, as they had been at fort Bowyer. The loss of our gun boats affected general Jackson with deep concern, and imposed the necessity of resorting to different measures of defence in this quarter. Increased vigilance and exertions were required, to guard the diffe-

rent routes, through which the enemy might reach New Orleans. Major Lacoste, commanding a battalion of colored troops, with two pieces of cannon, and a sufficient force, was ordered to defend the Chef Menteur road, that leads from the head of lake Borgne to New Orleans. Every little pass was inspected, and guarded. The Rigollets presented the most probable route for the advance of the enemy. Through it they could pass into lake Pontchartrain, and thence could land above, or below the city. They would, most probably, come by the way of the bayou St. John. This important point was confided to captain Newman, of the artillery. It was reinforced by several heavy pieces of cannon, and an additional number of men. He was instructed, not to retreat from any other consideration, than to avoid the certain loss of his force.

On the 15th, the general reviewed the militia at New Orleans. Their first despondence had been dispelled. To prevent its return, he delivered them an address, which breathed, as usual, his ardent and intrepid character, and was well calculated to infuse into others the ardor of his own feelings. 'You are contending,' he says, 'for all that could render life desirable, for your property and lives; for that, which is dearer than all, your wives and children; for liberty, without which country, life and property are not worth possessing.' * * * *

It concludes—'Your enemy is near. His sails already cover the lakes. But the brave are united; and if he find us contending, it will be for the prize of valor, and fame, its noblest reward.'

The day after the contest on the lakes, a flag was despatched to the enemy, accompanied by a physician, to negotiate for the wounded, and procure, if possible, their liberation on parole. The bearer of the flag was detained a prisoner. The enemy, probably, resorted to this harsh

procedure, to prevent our receiving intelligence by his return. This dishonorable act gave sufficient evidence, that the hour of attack was drawing near. Early on the 16th, expresses were sent in quest of general Coffee, who, it was hoped, was not far distant with the divisions descending from Tennessee. They had experienced extreme fatigue and exposure from the coldness of the season, excessive rains, and the necessity of crossing the numerous creeks and bayous swollen with the rains. The express met general Coffee at Sandy creek, a little above Baton Rouge, where he was halted, with 300 men on his sick list. He immediately ordered all his men, who were well mounted, to advance with him, leaving the rest to follow, as the exhausted condition of their horses would permit. By this arrangement his force was reduced to 800 men. Having marched 80 miles the last day, he arrived on the 19th within fifteen miles of New Orleans, having made 150 miles in two days. These brave men had now traversed 800 miles, enduring without murmuring trials and privations, which can only be fully understood by those, who remember the season, and are acquainted with the country, through which they marched. The advance of colonel Hinds from Woodville, with the Mississippi dragoons, was no less prompt. This active and brave officer, having received his orders, effected in four days a march of 230 miles. On the 16th colonel Hynes, aid-de-camp to general Carroll, brought information, that he had been detained in his progress down the river by high winds. A steam boat was immediately despatched to expedite his arrival with his forces. He had overtaken on his passage a boat from Pittsburg, laden with arms, for the use of the forces at New Orleans. This boat, from the negligence, of the men, who had stipulated to deliver the arms, would probably, but for this circumstance, not have reached its des-

tuation, in time to be of service. One of the greatest difficulties in the American camp was the want of arms. These arms were hurried on with the advancing division, and proved a most seasonable supply. This division left Nashville on the 19th of the preceding month. It scarcely ever happens, that the Cumberland admits a passage for boats at that season. Unusual torrents of rain swelled the stream, and wafted the troops rapidly down to the Mississippi. These two coincidences in our favor may well be considered, as providential. But for them, the campaign might have had a very different termination. It is obvious to remark, on what slight causes great events depend.

General Jackson was constantly occupied, in arranging additional means of defence. Patroles and videttes were sent out to scour the country for intelligence. The militia of Louisiana were called out *en masse*, and the legislature declared an embargo, to procure recruits for the navy. General Villery, an inhabitant of the country, and well understanding all the passes from the lakes, was ordered, with the Louisiana militia, to defend all the points, where a landing might be effected. A detachment was sent to Pearl river, to prevent the landing of the British, to obtain supplies, and to drive away all the cattle from the vicinity. So well concerted were these measures, that not only were the British disappointed in obtaining supplies, but even the Spanish at Pensacola visited with famine. They applied to general Jackson for relief. Although this application might be a stratagem, to aid the enemy, the general determined on the side of mercy, and directed general Winchester, at Mobile, to furnish them moderate supplies, and by sea, that if captured, they might know how to appreciate the kindness of their British allies.

Increasing apprehensions from enemies in the camp, the evidence of prevailing disaffection, and that the country was filled with spies, with various other considerations, not necessary to these details, induced general Jackson to declare the city and environs of New Orleans under martial law. It is not necessary at this day to investigate the wisdom, or necessity of this strong measure, which at the time excited so much feeling, and was so much questioned. These annals know nothing of party views. Against appearances and probabilities, and the desponding anticipations of the people, the country was saved. There has seldom occurred an emergency, which would seem to justify stronger measures. To explain the necessity of the case, and alleviate the irritated feelings, supposed to be occasioned by this measure, general Jackson circulated an address to the people.

All the forces had arrived, which were expected, except the Kentucky troops. The officers were busily engaged, in drilling, manœuvring, and organizing the troops, and in preparing every thing for action. Notwithstanding all the vigilance constantly exercised, the enemy succeeded in landing a very large force, without discovery. They were first seen by accident, emerging from the swamp, about seven miles below the town. It is generally supposed, that a party of Spanish fishermen, who inhabited the shores of the lakes, and were perfectly acquainted with the country, were their guides. They led the enemy by a passage, which had been neglected. On the 22d, indeed, general Villery had placed a handful of men at this very spot. The British succeeded in capturing all the party but two, who fled into the swamp, and endeavored to reach the city. But owing to the impervious tangle of vines and briars, they did not reach the city, until after the

British had arrived at the Mississippi, and had been discovered.

The pass, by which they arrived, is called bayou Bienvenu, a name of sufficiently auspicious omen to the British, which, however, it did not fulfil. It is an arm of lake Borgne, fifteen miles southeast of New Orleans. Majors Tatum and Latour, topographical engineers, had been sent in that direction, to ascertain the correctness of a report, that several sail of vessels had been descried off Terre au Bœuf. Approaching general Villery's plantation, they perceived soldiers and other persons fleeing hastily away. They soon ascertained, that the British had landed in considerable force, and had reached the house of general Villery unobserved, and had made prisoners of a company of militia posted there. The discovery was announced by major Tatum. The signal guns were fired. General Jackson concentrated his forces, resolving to meet the foe, and try the firmness of the combatants, before the parties slept.

The approach of the enemy, flushed with the hope of an easy victory, was announced to him after one in the afternoon. He considered, that the greater part of his own troops were inured to marching and fatigue, while those of the enemy were just landed from a long voyage, and were as yet unfitted for bodily exertion. Probably but a part of their forces had been landed. He resolved to march, and give them battle that night. Generals Coffee and Carroll were ordered to join him from their camp. Although it was four miles above the city, they arrived there in less than two hours. These forces, with the 7th and 44th regiments, the Louisiana troops, and colonel Hinds' dragoons, constituted the strength of his army.—That of the enemy could only be matter of conjecture. He deemed it advisable to leave general Carroll and his

division behind, for fear, that the movement, against which he was marching, might be only a feint to divert his attention, while a more numerous body might have landed higher, and might be advancing on his rear. General Carroll, therefore, at the head of his division, and governor Claiborne with the state militia, were directed to take post on the Gentilly road, leading from Chef Menteur to New Orleans, which they were directed to defend to the last extremity.

History has often presented to us cities placed in a position, like that of New Orleans at this moment. But the apprehensions, the rumors, the terrors, the distress of mothers, and wives, and children, and pusillanimous citizens, in the view of such an approaching contest, can only be imagined by being seen. As the troops of the general were marching through the city to meet the foe, his ears were assailed on every side by the cries of multitudes of females, who seemed to apprehend the worst consequences. He directed Mr. Livingston to address them in the French language. 'Say to them,' said he, 'not to be alarmed. The enemy shall never reach the city.' It operated like a charm, in restoring confidence and hope.

He arrived in view of the enemy a little before dark. Colonel Hayne, who had been sent to reconnoitre, estimated their numbers at 2,000 men. It has been since ascertained, that they exceeded 3,000. Commodore Patterson, commanding the naval forces, with captain Henly, on board the *Caroline*, had been directed to drop down, anchor in front of their line, and open upon them from the guns of the schooner, which was to be the signal for a simultaneous attack from the troops. Their position was clearly designated by the fires of their camp. General Coffee with his brigade, colonel Hinds' dragoons, and captain Beal's company of riflemen, were directed to

make a circuit, and endeavor to turn the enemy's right wing. The rest of the troops, consisting of the regulars, Plauche's city volunteers, Daquin's colored troops, the artillery, supported by a company of marines, commanded by colonel M'Kee, advanced along the bank of the Mississippi, and were commanded by general Jackson in person.

General Coffee had nearly reached the point, to which he was ordered, when a broadside of the *Caroline* gave the signal, that the battle was begun. Commodore Patterson had proceeded slowly to his destination, to give time for the corresponding arrangements on shore. So confident had the British been of a kind reception, that the *Caroline* was allowed slowly to float by their sentinels in front of their camp without molestation. The front picquet hailed her, as she passed, in a low tone of voice, and receiving no answer, made no further question. It is supposed, that the British considered her a vessel sent out of New Orleans, laden with provisions for them. Their fires indicated the centre of their camp. She cast her anchors opposite their centre, and announced her object from her guns. They recovered from the first confusion of so unexpected a fire, to answer it by a discharge of musquetry, and a flight of Congreve rockets, which did her no injury, while her grape and canister poured destruction upon them. To remove the certainty of her aim, they immediately extinguished the light of their fires, and retired two or three hundred yards into the open field. Here the darkness, if not the distance, protected them.

General Coffee had dismounted his men, and gained; as he believed, the centre of the enemy's line, when he heard the signal from the *Caroline*. He wheeled his columns, extended his line parallel with the river, and moved towards their camp. He had not advanced more

than one hundred yards, when he received a heavy fire from a line formed in his front. The circumstances of his meeting the enemy so soon, was owing to the severe attack of the schooner, which had compelled them to abandon their camp, and form out of her reach. The moon shone; but the light was too feeble to discover objects at a distance. The riflemen were ordered not to make random fires, but to be sure of their object, before they discharged. With this single caution, they were led upon the foe. As soon as they were near enough to distinguish, they gave a general fire. It was severe and destructive. The enemy retreated, rallied, were charged, and retreated again. They were driven from every position. The Americans were gallant men, led by a gallant commander, cool and fearless in the midst of battle; and it was scarcely necessary, that he should remind them, that they had often said that they could fight, and that now was the time to prove it. The enemy, driven back by the ardor of the assailants, reached a grove of orange trees, with a ditch protected by a fence on the margin. General Coffee led his brave yeomanry against them. They had every advantage. A fire from behind this defence showed their advantage, and gave a momentary check to the assailants. But resuming their ardor, they charged the enemy across the ditch, gave him a destructive fire, and forced him to retire. The British took another similar position, and were driven also from that.

Thus the battle raged on the left wing, until the British reached the bank of the river. The conflict here was severe on both sides, for half an hour. Neither force could be made to yield their ground. But at length the British, having suffered greatly, took refuge behind the levee, which afforded a breastwork adequate to shield them from the fatal fire of our riflemen. General Coffee, unacquainted

from the increasing darkness with the strength of their position, proposed to charge them again. But major Moulton, aware of their protection, and that they would, from the shelter of the levee and the bank, have great advantages in a charge with the bayonet, dissuaded him from such a hazardous experiment. They lay in a position to secure them from the broadsides of the Caroline, that still kept up her fire, while in moving on the bank to charge them, general Coffee would expose his men to the destruction of our own fire from that vessel. These circumstances induced general Coffee to retire, and await the orders of his general.

The right wing, under general Jackson, had been, meanwhile, equally prompt and active. A detachment of artillery, under lieutenant Spotts, supported by sixty marines, formed the advance, and moved down the road next the levee. On their left was the 7th regiment, led by major Pierre. The 44th, commanded by major Baker, was formed on the extreme left, while Plauche's and Daquin's battalion of city guards were directed to be posted in the centre, between the 7th and 44th. The general had ordered colonel Ross, who during the night acted as brigadier general, on hearing the signal from the Caroline, to move off his force by companies, and having reached the enemy's line, to deploy, and attempt to unite the left wing with the right of general Coffee's. This order was not executed, and the consequence was an early introduction of confusion into the ranks, which prevented the important object of the union of the two divisions.

Instead of marching in column from the first position, the troops were wheeled into an extended line, and moved off in that order, except the 7th regiment, next the person of the general, which advanced according to its instructions. The consequence of derangement in one point was

derangement of the whole line, and Plaque's and Daquin's battalions were thrown out of the line. This might have been remedied, but for the briskness of the advance and the darkness of the night. A heavy fire from behind a fence, immediately before them, brought the enemy to view. According to their orders, not to spend random shots, our troops pressed forward against the opposition in front, and thereby threw those battalions in the rear. A fog rising from the river, added to the smoke from the guns, which was covered the plain, gradually diminished the feeble light of the moon, and left scarcely a clue to indicate where the enemy was situated. The only guide to them was the direction of their fire, which subjected the assailants to material disadvantages. The British, driven from their first position, had retired to another, behind a deep ditch, on the top of which was a high fence. Here reinforced, they opposed the advance of our troops, and opened their fire on them, as they drew near. Our battery was instantly formed, and returned them a most destructive fire. The infantry came up, and aided the conflict. At this moment a brisk sally was made upon our advance, when the marines, unequal to the assault, were giving way. The assistant general, and colonels Piatt and Chotard, with a part of the 7th, hastening to their support, drove the enemy, and saved the artillery from capture. General Jackson, perceiving the advantages, which they derived from their position, ordered their line to be charged. The order was promptly and cheerfully obeyed. Our troops pressed on the ditch, and poured across it a well aimed fire, and compelled the enemy to abandon their entrenchment. The battle plain was intersected by races, cut to let water from the river. Beaten from one defence of this sort, they were thus enabled soon to support themselves behind another. Here they gallantly

maintained themselves for some time, but were at length forced to retreat from that also.

Finding themselves so firmly and obstinately assailed by the right of the American army, and inferring that our chief force was there, they formed the sudden determination to oblique, and by a violent attack turn our left. At this moment Daquin's and the battalion of the city guards were marched up, and forming on the left of the 44th, they met, and repulsed them. The circumstances of the contest prevented the advantages, that might otherwise have been derived from our artillery. The blaze of their musquetry was the only clue to their position. Yet whenever it could be brought to bear, it greatly annoyed them. Lieutenant Spotts, who directed it, was a vigilant and skilful officer, and his men, looking only to a gallant discharge of their duty, rendered the most essential services.

The enemy had been thrice assailed, and beaten, and made to retreat nearly a mile. They had now retired, and if assailed again, must be sought in the dark. The general could not doubt, from the brisk firing on the other wing, that general Coffee had been warmly engaged. The Caroline had almost ceased firing, from not being able longer to annoy the enemy. The darkness of the night, the confusion, into which his own division had been thrown, and the similar one of general Coffee, all pointed to the wisdom of resting contented with the advantages already gained. He had indulged for a moment other hopes, that looked to the overthrow and capture of the British army; but learning from general Coffee the strong position, to which the enemy had retired, he was directed to withdraw to the point where his line had first been formed, and thither the troops on the right were also directed to be marched.

Colonels Dyer and Gibson with 200 men, and captain Beal's company of riflemen, in the evolutions of the last charge had been separated from the right wing of our army. Advancing in a direction, as they supposed, to rejoin general Coffee, they soon discovered a force in front of them. They were hailed, and ordered to report to whom they belonged. They answered, to Coffee's brigade. Perceiving that they were not understood, they began to be apprehensive, that it was the enemy. Wheeling to return, they were fired upon, and pursued. Colonel Gibson had scarcely started, when he fell. Before he could arise, a soldier from the enemy sprang upon him, and transfixed him to the ground with his bayonet. Fortunately the stab had wounded him but slightly, and only pinioned him by his clothes. Making a violent exertion, he threw his assailant to the ground, sprang on his feet, and made good his retreat. Colonel Dyer had retreated fifty yards, when his horse was shot dead, and he was wounded in the thigh. The enemy were advancing upon him, and there seemed no prospect of escape. Fortunately at this moment his men were at hand. He ordered a fire upon the advancing foe, which checked him. Uncertain where general Coffee was, he determined to seek him on the right. He charged with his little band, through the enemy's line, and cut a passage of escape, with a loss of 63 killed and taken. Captain Beal, with equal bravery, cut a passage through the enemy, losing several of his men, and bringing away some prisoners. It seems they had met a reinforcement of the British, that had arrived from bayou Bienvenu after night. From the innumerable ditches, with which the plain was cut in every direction, it had been impossible for the cavalry to act. Colonel Hinds, with 180 dragoons, had been able to take no part in the fight. They were now formed in advance of our

troops, to watch the movements of the enemy through the night.

The result of the whole experiment fostered the original hopes of the general, that he might yet capture all the British forces, that had landed. Directing governor Claiborne to continue his defence of the Gentilly road with the Louisiana militia, he ordered general Carroll to join him, in case there had been no appearance of an enemy, during the night, in the direction of the Chef Menteur road. These orders were executed by one in the morning. His object was to renew the attack. But from prisoners and deserters it was ascertained, that the enemy was now not much short of 6,000 strong. It greatly exceeded any force, which he could bring against them.—Taking into view the inexperience of his undisciplined soldiers, in comparison with their veteran antagonists, and that the battle must be in an open plain, and by the light of day, he decided to forbear all further efforts, until he should discover the ultimate views of the enemy, and be reinforced by the Kentucky troops, that were expected.

His purpose was immediately fixed. He ordered colonel Hinds to occupy their present ground in advance, and there closely watch the enemy, while he fell back and formed his line behind a deep ditch, that run at right angles from the river. There were two circumstances, that strongly recommended this as a place of defence. The swamp that skirts the river, and is generally almost impervious, here approaches within 400 yards of the Mississippi, and from the narrowness of the interval between the river and the swamp, was easily defensible. Added to this, a deep canal was already dug, and the earth of the excavation already formed a tolerable breastwork. Proper measures were adopted to strengthen this defence.—Bales of cotton in vast numbers were drawn from the city,

and where placed, formed an impenetrable bulwark. Behind these defences the soldiers were placed, with a full determination, that they should never be abandoned.

History is full of the instruction, that great events often flow from apparently trifling causes. The British had reached the Mississippi without firing a gun, and had encamped on its banks as tranquilly, as if they were resting on their natal soil. This strengthened their original impressions, that either the people hailed their approach, or were afraid to attack them. Nothing could exceed the contempt, that had been fostered among the 'invincibles,' for the upper backwoods men. They had a song, the burden of which was, that they were only fit to fight the 'Chickasaws, Chactaws and old squaws.' General Jackson felt, that it was equally important to convince his hardy woods men, that the foe was not 'invincible,' and to dispel their dreams of our imbecility and cowardice, by an immediate and vigorous attack. Thus thinking, he broke into their camp with an inferior force of undisciplined yeomanry, and drove before him troops, that had so recently been the pride of Britain, and the terror of Europe. The enemy were at once undeceived. They were convinced, that they had not to contend with such men, as they expected to meet. Their subsequent caution bears ample testimony to the salutary lesson of respect, which they had learned from their first greeting from us. The American troops actually engaged in this battle were short of 2,000. The force opposed was four or five thousand. Our loss was 24 killed, 115 wounded, and 74 prisoners. The killed, wounded and prisoners of the enemy were not less than 400.

Fresh as they were from their woods, never did men more generously and bravely discharge their duty. Every charge of Coffee's brigade was successful. Had the Bri-

tish known, they were only riflemen without bayonets, a firm charge on their part with that weapon would have been their destruction. But these brave men seem never to have thought of the inequality of the contest, and rushed on the British with as much confidence, as if they too had been armed with bayonets. Lieutenant colonel Lauderdale, of Coffee's brigade, an amiable and promising young officer, who had gained great fame in the Creek campaign, fell in this battle, greatly lamented, and universally esteemed. Lieutenant M'Lelland, a valuable young officer of the 7th, was also among the slain. Ensign Leach, of the 7th, though wounded through the body, remained at his post, discharging his duty. Colonel Reuben Kemper, amidst the confusion of the left wing, which has been mentioned, found himself with a handful of men in the midst of a party of the enemy. With perfect coolness and self-possession, he availed himself of a successful stratagem. Calling to a group of British soldiers near him, he demanded, where their regiment was. They were lost themselves, and could not answer; but taking him for one of their own officers, they followed him, as they were ordered, to his own line, and were made prisoners. The 7th regiment, commanded by major Pierre, and the 44th, under major Baker, aided by major Butler, fought with great gallantry, and drove the enemy from position to position, a mile from the commencement of the attack. Emulating the inspiring ardor of their general, they only desisted from the contest, when the prudence of their commander directed them to retire.

The winter of this campaign was unusually severe for the climate. Most of the men were poorly supplied with clothing. Many of them had lost their blankets in the late engagement, having left them, where they were taken by the enemy. They were exposed on the open field to

the severity of the weather, the rains, and the hardships of a camp, generally covered with water. No complaints or murmurs were heard. Their patient endurance produced the proper sympathy. The legislature appropriated a sum for their relief, which was increased by private subscription. Ladies, with the feminine tenderness and Christian charity, characteristic of their sex, united their industry to prepare the articles of clothing, that had been purchased for use. Such kindnesses, so conferred, not only nerved the new clad soldier for the tug of battle, but on their return to their distant homes, in recounting the story of their hardships and their honors, these touching marks of benevolence and patriotism are never forgotten.

To train our troops, to keep up a show of resistance, and to prevent their spirits from sinking, the light troops were directed frequently to assail and harrass the advanced posts of the enemy. Our works, meanwhile, were hourly increasing in strength. The militia of the state were every day arriving, and our prospects were evidently brightening. The canal, that covered our line, was dug wider and deeper, and a strong mud wall formed by the earth of excavation. To retard the approaches of the enemy, until our defences should be complete, the levee was ordered to be cut about 100 yards below the line. The river being high, a broad sheet of water, 30 or 40 inches in depth, was spread over the plain. Two pieces of artillery, under the command of lieutenant Spotts, were placed in a position to rake the road leading up the levee.

General Morgan, who commanded the fort at the English Turn, on the east bank of the river, was directed to proceed as near the camp of the enemy, as safety would admit, and by cutting the levee, to let the waters of the Mississippi in between them. The execution of this order and a similar one below the line of defence had insulated

the enemy, and prevented his march against either place. The general, fearing for the safety of general Morgan, who was separated by the British from his camp, ordered him on the 26th to abandon his camp, throw his cannon in the river, whence at low water they could be recovered, and, leaving an adequate force for the protection of fort Leon, retire to the other bank of the river, and fortify a position there.

It was expected, that the British were about to make an effort to bring their fleet up the river, to co-operate with their troops on land. To prevent this, if possible, in addition to the defences of St. Philip, Bourbon and St. Leon, major Reynolds was ordered to proceed to Barataria, to place the bayous emptying through this pass in the best possible state of defence, to occupy and strengthen the island, and draw a chain across the pass. The celebrated Lafite, who was courted both by the Americans and British, from his possessing a more accurate knowledge of every inlet from the gulf, than any other man, was promised a pardon for his piratical outrages,—accepted it, and was associated with major Reynolds in this commission. He entered into the interests of his adopted country with great zeal.

On the other hand, the British were not idle. Their exertions to prepare for their ulterior objects were unremitting. A complete command of the lakes, and the bayou leading to their camp, presented an uninterrupted ingress and egress, that afforded them an easy opportunity of conveying whatever they wanted with perfect safety to the camp. They deepened the canal, through which they first debarked, so as to enable them to bring their boats much nearer the camp, and to transport with greater convenience all their heavy munitions. Early on the morning of the 27th, a battery was discovered on the bank of

the river, which had been thrown up the preceding night. On it were mounted several pieces of heavy ordnance, from which a fire was opened on the Caroline, lying on the opposite shore. Every effort had already been made to float her up stream in vain. Bombs and red hot shot were thrown on her from the battery, which were constantly taking effect, firing her in several places; while her fire in return was in a measure ineffectual, from her having but one 12 pounder, which would reach the battery. The second fire lodged a shot in her mainhold under the cables, whence it could not be removed. The flames burst out on every side, and were fast increasing. It was feared, that she would blow up, and destroy every thing. There being not the least glimmering of hope, that she could be saved, and one of the crew being killed, and six wounded, she was abandoned, and in a short time she blew up.

One essential mean of annoyance on our part being lost, and the enemy gathering confidence from this success, early on the 28th their columns advanced on our works, apparently with the purpose to storm them. Sir Edward Pakenham commanded in person. At the distance of half a mile, they opened their heavy artillery upon us.—Quantities of bombs, balls and Congreve rockets were discharged. The panic, which these new and formidable weapons were expected to produce upon raw troops, did not take place. They soon ascertained, that our troops know how to face danger and death, as well as theirs. These desolating instruments of destruction excited little other sensation, than that of novelty. Instead of flying from the terrific crash, and these insignia of terror, as was probably expected, our batteries opened upon them, and immediately halted their advance.

In addition to the two pieces, already mounted on our works, three more heavy pieces, obtained from the navy department, were placed on the line. The officers and crew of the *Caroline* volunteered, and rendered important services, maintaining at their guns the skill and firmness, for which they had been so highly distinguished. They were selected to this service on account of their superior experience in gunnery, and they supported their reputation. The enemy received the greatest injury from the river. Lieutenant Thompson, who commanded the *Louisiana* sloop of war, which lay nearly opposite the line of defence, no sooner discovered the enemy's columns approaching, than warping her around, he brought her star-board guns to bear upon them, and forced them to retreat. The enemy discharged their heavy artillery, bombs and rockets upon us for seven hours, without either making a breach, or silencing the sloop, and abandoned a contest, which seemed to yield no advantage. The crew of the *Louisiana* was composed of new recruits of the most discordant materials, soldiers, citizens, and seamen of different countries, and speaking different languages. By the activity of their accomplished commander, they were soon so well disciplined to their duty, that they already managed their guns with the greatest precision,—and with the aid of the land batteries, silenced, and drove back the enemy. Hoping to be as successful in the destruction of this vessel, as they had been of the *Caroline*, they threw hot shot upon her for seven hours. She had but a single man wounded. Our entire loss from all this pomp and circumstance of war was only nine men killed, and eight or ten wounded.

Among those, who felt, deeply lamented, was colonel James Henderson, of the Tennessee militia. In an attack upon a British force, that annoyed us, his detachment, by

a misunderstanding of his orders, was led into a position of exposure, in which he was slain, and in which his detachment, on their retreat, suffered some loss.

Nothing was more annoying to the feelings of general Jackson, than the general impression, that there existed disaffection in the city. It is a fact, which was afterwards disclosed by British prisoners, that every movement on our part was constantly, directly, and faithfully reported to them. An indirect application was made to him from influential sources, desiring to know, if the report in circulation was true, 'that if he should be compelled to retreat up the coast, and leave the city to its fate, his determination was to lay the city waste?' At the same time he was instructed, that men of influence were occupied, in considering the propriety of making terms with the enemy in case of emergencies. It is well known, that the general adopted very decided measures in the case, which appeared to him justified by circumstances. Nothing could have had a more direct tendency to produce despondency in the public mind, than the disclosure of any such purpose on the part of the legislature. Some honored names of members of that body appear, as of persons, who repaired to the camp, and bravely and honorably discharged the duties of soldiers there.

To try the fidelity and vigilance of the watch of every thing, that passed up and down the river, the general ordered, on a dark night, that a couple of flat bottomed boats should be set adrift, to see if there was any chance of passing in safety down the river to the British lines. The alarm was given. A fire was opened upon them from the batteries, the Louisiana sloop, and every thing that could fire, and the harmless flat boats were sunk. Yet in some way, probably through the deep and hidden paths

of the swamp, a constant intercourse was kept up between the enemy, and their friends in the city.

One of the most severe inconveniences of this campaign has been already mentioned—the want of good and sufficient arms for the soldiers. Many of the troops were only supplied with poor common guns. The Kentucky troops, who were expected, were understood to be partially and badly supplied with arms. The city was ransacked for a supply; and every man under the age of fifty, who was able to bear arms, was drafted into the service. Frequent light skirmishes took place, in one of which colonel Hinds was greatly exposed. He and his corps were distinguished by their collected and gallant deportment, and came off from the skirmish with a small loss.

The British commenced the new year with an attack upon our line. At nine in the morning, a heavy fog dispersed, and showed us formidable batteries mounted with very heavy ordnance, at the distance of 600 yards from our line. They opened with a tremendous burst of artillery, accompanied with Congreve rockets, which filled the air in all directions. The house, which was the supposed head quarters of the general, was battered to a mere wreck. But he, for whom the compliment was intended, was at the head of his lines, in the midst of the danger, animating every body by his presence, and directing every operation. The fire, which our batteries returned, was tremendous. Two of their batteries, formed on our right, were prostrated, and most of their guns dismounted. The British had all along labored under the illusion, that our raw woods men could make no use of cannon. They knew, that we had competent batteries, but still flattered themselves, that artillery would be of little service to people, who knew not how to use it. The battle of the 8th

was soon to cure them of this folly. So confident were they, that their cannonading would drive our men from their guns, that soldiers were arranged along the ditches at the beginning of the assault, to take advantage of such a circumstance, and march upon us, the moment a breach in our works should be made. Perceiving, that their cannon and rockets had very little effect, they retired, leaving their batteries a heap of ruins. Our loss in this affair was 11 killed, and 23 wounded. That of the enemy was never exactly known. It was probably about 100.

No adequate picture has ever been given of the privations and endurances in our camp. The climate, ordinarily a mild one, was this winter uncommonly severe.—From the frequent and heavy rains of the country, unsheltered troops were much exposed. General Coffee's brigade literally tented in the swamp, and on brush and logs, which alone raised them above the water. Never was there more exposure, or less murmuring.

On the 4th, arrived the long expected reinforcement from Kentucky, amounting to 2,250, under major general Thomas,—but, as was foreseen, so poorly supplied with arms, as to be of but little service. That so many brave men, at such a moment of peril, should stand with folded arms, unable, however disposed, to help the cause, was among the most vexing of the numberless trials, which the general encountered at this time.

On the 6th, a soldier deserted from our line, and disclosed the state of our camp to the enemy. General Lambert had joined the enemy with a considerable reinforcement. During the 7th there was much stir, apparently of great preparation, in the British camp. It was conjectured, that an assault was intended on general Morgan. The second regiment of Louisiana militia, and 400 Kentucky troops, were directed to be crossed over, as a rein-

forcement to him. Only 180 of the latter reached their destination. His position was defended by strong batteries, which were directed by the science and experience of commodore Patterson. It was feared, if the Louisiana were dropped down to the defence, she might share the fate of the Caroline. It was hoped, that with their force of 800 men, they might be able to defend their position.

On the left, where the general commanded in person, every thing was prepared for the reception of the enemy. The redoubt on the levee was commanded by a company of the 7th, under lieutenant Ross. The regular troops occupied that part of the entrenchment, next the river.—General Carroll's division was in the centre, supported by the Kentucky troops under general Adair. The extreme left, extending a considerable distance into the swamp, was protected by the brigade of general Coffee. Unremitting in exertion and vigilance, his precaution kept pace with the zeal and preparation of the enemy. He slept but little, and was always at his post. His sentinels were doubled, and extended, as far as possible, in the direction of the enemy's camp,—while a considerable portion of the troops were always on the line, with their arms in their hands. Thus lay the two armies for eight days in sight of each other. The heroes of the Peninsula, the pride of England, and the boasted conquerors of the conquerors of Europe, were there with their veteran troops, so trained to victory, as to have assumed the proud name of 'invincibles.' On the other hand were the hardy sons of the forest, who, before the Creek campaign, had only read of battles, and who, as their enemies used to say, and sing, had never been in at any thing more than the killing of a deer.

The 8th of January dawned, and with the dawn the enemy's signals for movement were descried. They were

two sky-rockets, the one thrown up on the left, and soon after, the other on the right of the enemy's camp. The charge that followed was so rapid, that the troops at the outposts fled in with difficulty. Their batteries, which had been demolished the 1st of the month, had been re-established during the night. Showers of bombs and balls were poured upon our line, while the air blazed with Congreve rockets. The two divisions, commanded by Sir Edward Pakenham in person, and supported by generals Keane and Gibbs, pressed forward, the right against the centre of general Carroll's command,—the left against our redoubt on the levee. A thick fog enabled them to approach near our entrenchment, before they were discovered. They advanced, with firm, quick and steady pace in column, with a front between 60 and 70 deep. Our troops, who had been waiting for them, at length descried them, gave three cheers, and poured upon them from the whole line a sheet of fire. It was accompanied by a burst of artillery, which mowed down their front. From the musquetry there was a continued volley, without a moment's intermission. Battery No. 7, served by lieutenant Spotts, galled them with a destructive fire. Batteries 6 and 8 followed up the work of death. The bravery of the foe, that came upon us, merited a better fate, had it animated a better cause. Some of these brave men moved through this murderous fire, and gained the ditch in front of our works, where they remained during the action, and were afterwards made prisoners. But they were no more than men, and nothing human could resist the horror of the scene before them. These trained veterans were seen first to waver, and then retire. Sir Edward Pakenham hastened to their front, and endeavored to rally them.—He fell mortally wounded, in the arms of his aid-de-camp, not far from our line. Generals Gibbs and Keane fell.

also, dangerously wounded, and were conveyed from the line. General Lambert, advancing with the reserve, met the columns retreating in the greatest confusion. His efforts to halt them were unavailing, until they reached a ditch, 400 yards distant.

The field, over which they had advanced, was strewed with the dead and dying. Even here they were constantly falling. Their officers urged, and animated them once more to the charge. They advanced so near, as to begin to deploy. The same unremitting fire of musquetry and batteries was poured upon them. The discharges of grape and canister swept away the front of their columns, as fast as they could be formed. Feeling that certain destruction awaited their advance, they fled in disorder from a field, which was covered with their dead and wounded. In vain their officers endeavored to goad them to renewed resistance. In vain they resorted to coercion. They saw the plain covered with the innumerable bodies of their countrymen. The same power of destruction was prepared to operate upon them. The panic was without remedy, and the flight not to be controlled.

Two or three regiments, led by colonel Rennie, advanced against our redoubt on the right, and urging forward, arrived at the ditch. They suffered severely from commodore Patterson's battery on the left bank, and the cannon of the redoubt. But, reaching our works, and passing the ditch, sword in hand, colonel Rennie bravely leaped on the wall, and called his troops to follow him. Scarcely had he called, when he fell by the fatal aim of our riflemen. Pressed by the impetuosity of superior numbers, who were mounting the wall, or entering the embrasures, our troops retired to the rear of the redoubt. A momentary pause ensued, but only to be interrupted with increased horrors. Captain Beal, with the city riflemen,

perceiving the enemy in front, with perfect coolness and self-possession, opened a deadly fire upon them, every discharge of which brought the object to the ground. To advance, or maintain their ground, was equally impracticable for the enemy. They saw their division on the right broken, and flying from the field, and to retreat, or surrender, seemed their only alternative.

General Jackson, having been informed, that the enemy had gained the redoubt, pressed forward a reinforcement to regain it. They were retreating, when it arrived. They were severely galled from different points on their retreat. Numbers found a grave in the ditch before our line; and of those, who gained the redoubt, not one, it is believed, escaped. They were shot down, as fast as they entered. The route, along which they had advanced, and retired, was strewed with bodies. Affrightened at the carnage, they moved hastily and in confusion from the scene. Our batteries were still cutting them down at every step. They were too much galled, and fatigued, to march beyond the reach of our shot, and they found shelter from its fatal execution in a ditch, where the right division had retreated, and there they remained, until night permitted them to retire. Had our troops been completely armed, it could not escape coming over the mind of such a person as general Jackson, that now was the time to have followed up the blow, and have captured the British army. Not only the animation of victory suggested such thoughts, but the panic struck retreat of the enemy. But better counsels prevailed. Enough had been done for security and glory. The rest, even if it had not been doubtful, would have been only for triumph. He preferred, therefore, to adopt the safer course to sustain a position, which now assured safety to the city, rather than by endeavoring to obtain too much, to endanger the loss of every thing. ●

Meanwhile, a simultaneous attack by colonel Thornton, with 800 chosen men, upon general Morgan's position on the left bank of the river had been made. By the time he had effected a landing, the day had dawned, and the flashes of the guns announced the battle begun. Supported by three gun boats, he hastened with his command in the direction of general Morgan's entrenchment. Some troops, that were stationed in advance, to act as spies, heard the noise and bustle of the enemy's landing, and as soon as they had ascertained, that it was effected, moved off. The Kentucky troops reached general Morgan at five in the morning, and were immediately ordered to co-operate with this force, which they met hastily retreating. From them general Morgan learned, that the enemy had landed, and was moving rapidly up the levee.

The two detachments, now acting together, formed behind a saw mill race, the plank and scantling of which formed a tolerable breastwork. A warm and spirited resistance was maintained with the advancing foe for some time, and he was for a moment checked. He rallied, advanced, and again received a heavy fire. The general's aid, perceiving the steady advance of the enemy, and fearing for the safety of his troops, ordered a retreat. The consequence was, that the whole force fled in haste, creating confusion in general Morgan's line. Here they were halted, and formed in a line, that reached quite to the swamp. Colonel Thornton, having arrived in an orange grove, 700 yards distant from our line, halted, and surveyed it. He immediately advanced to attack it in two divisions. It was defended by about 1,500 men. A severe discharge from the ordnance along our works caused their right division to oblique, and to unite with their left. They pressed upon the point occupied by the Kentucky troops. From some inexplicable cause, the whole force

became panic struck, and fled. By great exertions of the officers, a momentary halt was effected. A burst of Congreve rockets falling about them, and firing the stubble in the cane field, renewed their flight. Commodore Patterson had been firing on the enemy on the opposite shore. He ceased it, and turned his pieces to enfilade the enemy next the swamp. But seeing the confusion of our retreat, he was at once aware, that he could not maintain his ground, and he spiked his guns, destroyed his ammunition, and retired from a post, where he had rendered the most important services.

It is not necessary to suppose cowardice in these troops, to account for their retreat. General Thornton's greatly superior force advanced upon the weakest part of our line, defended by only 180 men, and these stretched along a front of 300 yards, and unsupported by artillery. General Morgan, in reporting the misfortune and defeat, attributed it to the example of the advance, that in flying, carried the rest of his forces along with them. Various circumstances gave the vantage ground entirely to the enemy. He was even superior in numerical strength. A report to the secretary of war, predicated upon first impressions, which were afterwards proved to be erroneous, occasioned much feeling in Kentucky. It must have been obvious, that the gallant commander in chief could not have practised intentional injustice.

General Jackson hastened to throw detachments across the river, with orders to regain the position at every hazard. He forwarded an address to the troops, to animate them to daring, and inspire them to exertions, that should wipe away the stigma, which might attach to their defeat. A stratagem enabled him to obtain his object, without the effusion of blood.

General Lambert, at the close of the fatal battle, proposed a suspension of hostilities for a day, under the pretext of administering to the relief of his wounded. General Jackson, in reply, drew up the plan of an armistice, with directions to return it immediately, if approved. It contained a stipulation, that hostilities should cease on the left bank, but not on the right, and that in the interim no reinforcements were to be sent across the river by either party. General Lambert at once drew the inference, that general Jackson had already sent over sufficient forces, to retake the position, and possibly to capture colonel Thornton's force, which, by the total route of the forces on the left bank, was left in a situation evidently isolated and exposed. The effect with general Lambert was such, as had been anticipated and desired. He neglected to sign the armistice, until the next day. Under cover of the night, colonel Thornton was ordered to recross the river with his force, and the position was thus peaceably restored to its original holders. Early the next morning, the armistice was signed, and returned to general Jackson, with the apology for having omitted to sign it sooner, that in the press of business, that part, which required an immediate signature, had been overlooked. It is amusing to discover these mutual attempts at deception. General Jackson's was certainly the most successful.

The armistice was concluded on the morning of the 9th. The remaining dead and wounded were removed from the field, which, for 300 yards in front of our line, they literally covered. The loss of the British in the main attack on the left has been variously stated. The killed, wounded and prisoners, as ascertained by colonel Hayne, our inspector general, the day after the battle, amounted to 2,600. General Lambert's report to lord Bathurst makes it less. It has been clearly proved since, that it was

much greater than that reported by either. Among the slain was their commander in chief, and major general Gibbs, who died next day of his wounds. The American loss in killed and wounded was but thirteen. Our effective force on the line was short of 4,000. That of the enemy engaged was at least 9,000.

One circumstance ought not to be omitted. The gallantry of the British soldier, so worthy of admiration in a good cause, brought many of them even in this cause to be wounded, and to die under our ramparts. The firing had ceased, and our troops, with the instinctive humanity of Americans, advanced over the lines, to bring in, and assist the wounded. The enemy from the distant ditch, which they occupied, opened a fire upon them, and several were wounded. Our soldiers had been instructed in the history of the scenes of Hampton and Havre de Grace. It has been a thousand times asserted, and we know not, that it has ever been disproved, that the watchword of the British army in the battle of the 8th was 'booty and beauty.' We have always associated the ideas of cruelty and cowardice. We can hardly conceive, that a general, so gallant, and so deeply lamented by his country, as Sir Edward Packenham, could have given out such a watchword, or could have promised his soldiers, than whom braver never fought, the brutal licentiousness and the lawless indulgence, which such a watchword would promise, as incitements to their valor. To continue to practise humanity to an enemy, that met it with such a return, is the highest praise that can possibly be given to our troops.

Great numbers of British officers, besides the generals above named, here fought their last battle. In the pocket of captain Wilkinson, who fell, was a letter to a friend at home, who belonged to the war department. With the true spirit of a British officer, he seems to have had no

doubt of the success of the attack, and to have looked to it with an assurance, that it would bring a successful termination to their trials and labors. The annals of warfare have seldom disclosed a more bitter and cruel disappointment, and severely did they atone for their confidence. They had deemed, that the appearance of the orderly, gay and rapid movements of veteran troops, would induce our militia to forsake the contest, and fly. Accordingly, against that part of our force, they directed their chief attack. But they could have assailed no part of our entrenchment, where they would have met a warmer reception. The Kentucky and Tennessee troops, under generals Carroll and Adair, were here. They had already won a reputation, that they were not disposed now to relinquish.—These divisions, alternately charging their pieces, and mounting the platform, poured a constant stream of fire upon the advancing columns, which drove them from the field with prodigious slaughter.

It has been mentioned, that a deserter from our camp imparted to them information of the state of things there. In the rage and bitterness of their disappointment, they believed, that the deserter had given them false information; and they brought him to a severe account for the mischief, which this information had caused. It was in vain, that he protested to the last, that he had stated every thing as it was. Without further ceremony, they hung the poor fellow on a tree in view of the camp. He thus expiated, not his own falsehood, for he had stated the truth, but their own rash folly, in not having learned from the many lessons, we had already given them, a little more respect for us.

The issue of this battle settled the scale of the war in this quarter. The character of the campaign was fixed, and little occurred of sufficient interest for relation after-

wards. A powerful effort was made to bring their fleet up the river, to give, if possible, a different color to the close of the campaign. A long and violent attack was made on fort St. Philip, by two bomb vessels, a brig, sloop and schooner. The assault was continued, until the night of the 17th, during which time an immense quantity of bombs and balls were thrown upon the fort by the enemy. It was commanded by major Overton, in whose bravery and skill general Jackson reposed entire confidence. The defence was managed with great activity and vigilance; and for the nine days, that the bombardment lasted, sleep was almost a stranger in the fort. As soon as they came within reach of the guns of our fort, a severe and effectual fire was opened upon them. After many fruitless efforts, and an immense waste of labor and ammunition, they retired from the fort. Our loss in the defence was nine killed, or wounded. Soon after, the British finally forsook their camp, and took refuge on board their shipping.

Thus ended in entire discomfiture and disgrace an invasion, which had fostered such hopes on the part of the enemy. The uncertainty of human things seldom exhibits a more altered aspect, than the condition and hopes of the British army at that time, compared with that of the same force twenty-six days before. They were then confident, that ten days would give them possession of the important and rich city of New Orleans. Now vanquished, and broken in spirits, abandoning many of their wounded to our care, and leaving multitudes of the bodies of their most gallant troops in a foreign soil, under cover of the darkness, they are silently flying from their camp, and breaking to pieces their artillery. They are beginning to understand the character of the enemy, with whom they have had to deal. They now well understood, that if the Americans did not know how to form columns, or deploy

into lines; they knew the value of liberty, and of their far homes,—knew how to suffer privations without repining, to fight, and when need was, to die. It was the contest of 4,000 yeomanry of the West with 14,000 of the bravest and best, that England could furnish.

These brave men might well return proudly to their homes; for they were covered with glory, and they had an animating story to cheer the evening fire of their homes after their return. That story will go down to posterity in history and in song. Of the few anniversaries, beside that of the natal day of our nation, commemorated in the West, the 8th of January is one of our proudest. It has already been blazoned by the orator, the poet and the painter, and will continue to be recited, in proof of what the free owners of the sacred soil can do, when that soil is trampled by the feet of invaders.

General Jackson returned triumphant to New Orleans. The French are naturally enthusiastic. The Americans of this region are more so, than those of the north. It would be useless to attempt any thing like a picture of the scene of his return to the city. Fathers, sons, husbands, people of all ages and conditions, by the urgent necessity of the time and the case, had been drawn out for the combat. There was scarce a family in the city, that had not members in the camp. It had not been the policy of the time to lessen the natural apprehensions and dislikes, which the French entertain towards the British. Every cannon from the British line, was perhaps, the signal of death to some member of a family, or of the approach of the indescribable horrors, inflicted by an infuriated soldiery, in the unbridled licentiousness of a captured city. It must have been a proud moment for general Jackson, when he traversed the streets of the city. The windows and the streets were crowded to view the man, who, by his unceasing

energy, gallantry and decision, had saved the city and the country. Wives and mothers embraced their husbands, or children, as they returned from battle. Kisses and embraces were liberally interchanged, and the appearance of the returned soldier must be very repulsive, not to obtain this proof of gratulation and welcome. What must have been peculiarly delightful to his feelings was, that among all these joyful groups, there were to be seen few, whom the late battle had made widows. Public opinion had done full justice to the intrepidity and daring valor of his character. But it was only those, who were intimately familiar with all the events of the campaign, who believed, contrary to a wide spread impression, that he deserved still more for the cool, benevolent and careful providence, by which he spared the lives of the defenders of their country.

On the 23d, a day of solemn thanksgiving was kept with religious rites. The general repaired to the cathedral, which was filled to overflowing. Children, dressed in white, strewed the path before him with flowers. An ode of gratulation was recited, as he passed. The services of the Catholic church were performed. *A Te Deum* was sung, and bishop Dubourg delivered an address, which he concluded by presenting the general with a wreath of laurel.

The only subsequent success, that tended in any degree to mitigate the mortification of the British, was the reduction of fort Bowyer. After two or three unavailing attempts upon the fortification, by colonels Woodbine and Nicholls, major Lawrence, yielding to the necessity, imposed by the presence of an overwhelming force, agreed on a capitulation, and surrendered the fort.

The brevity of our limits, as well as our inclination, exclude from this work any details, touching the re-action

of public feeling among the enemies of general Jackson, and of the stern measures for defence, which he had adopted. His conduct, in proclaiming martial law, suspending the privilege of *habeas corpus*, and the removing some disaffected citizens from the city, and punishing some deserters with the last rigor of martial law, underwent a severe investigation. These transactions excited much interest and discussion at the time, and have undergone a bitter ordeal since. At this day, whatever may be the different estimates of the political character of general Jackson, no one can fail to do justice to his wisdom, bravery and good conduct in the prosecution of this campaign. No one can fail to see, that the emergencies of the case called for such a general, and that weak and vacillating measures, would scarcely have failed to have lost the country. On the 13th of the month, peace was officially announced in the camp. On the 24th, general Jackson was prosecuted for contempt of court in the case of judge Hall, and was cast in a fine of a thousand dollars. General feeling in view of the sentence was manifested by the citizens. It was proposed to give publicity to that feeling by paying the fine by voluntary contribution. It was no sooner meditated, that it was done. So numerous were the citizens, who desired to contribute, that the entire sum was raised in a few minutes. The general, understanding what was agitated, sought the marshal, paid the fine, and avoided an obligation, which his feelings would not allow him to incur. Previously to breaking up his camp, he issued an impressive and affectionate address to his brave companions in arms, and was soon on his way to his home. Grateful and affectionate honors awaited him every where, and most of all at home, where he was welcomed by a reception from his fellow citizens, that must have been more delightful, than any other honors.

The close of the war, as might be expected, produced a general pacification of the savages, on our whole frontier. It was obvious to intellects less vigorous than theirs, that if they had the worst of the contest, when aided by all the power of Britain, and the countenance of the Spanish, they could have little hope, in continuing the contest with us, single handed. Profound peace was soon restored to all our borders, from the northeast to the southwest frontier. The tide of immigration, which had been arrested, during the war, set more strongly towards the western country for having been so long kept back. Shoals of immigrants were seen on all the great roads leading in that direction. Oleanne, Piusburg, Brownsville, Wheeling, Nashville, Cincinnati, and St. Louis, overflowed with them. Ohio and Indiana beheld thousands of new cabins spring up in their forests. On the borders of the solitary prairies of Illinois and Missouri, smokes were seen streaming aloft from the dwellings of recent settlers. The settlements, which had been broken up during the war, were re-peopled, and many immigrants returned again to the very cabins, which they had occupied before the war. Boon's-lick and Salt river, in Missouri, were the grand points of immigration, as were the Sangamo and the upper courses of the Kaskaskias, in Illinois. In the south, Alabama filled with new habitations, and the current, not arrested by the Mississippi, set over its banks, to White river, Arkansas, and Louisiana, west of that river. The wandering propensity of the American people carried hundreds even beyond our territorial limits into the Spanish country.—Wagons, servants, cattle, sheep, swine, horses, and dogs, were seen passing with the settlers, bound to immense distances up the long rivers. To fix an hundred miles from another settler was deemed no inconvenience.

This flood of immigrants of course increased the amount of transport, and gave a new impulse to enterprize of every sort. Lands rose above their value, and speculation in them became a raging epidemic. Money, put in circulation by the sale of lands, abounded in the country. Town making, steam boat building,—in short, every species of speculation, was carried to a ruinous excess. Mercantile importations filled the country with foreign goods. There were no reasonable foundations to the schemes, and no limits to the extravagance of the people. To give a more fatal extension and efficacy to the mania of speculation, banks were multiplied in all the little towns and villages of the West, whose spurious paper, not predicated on banking principles, nor based upon capital, answered the turn of speculation, as long as the excitement of confidence lasted. The consequence of all this was, that lands rose to double and triple their natural value, and were bought up by speculators. One good effect resulted from the general mischief. Improvements, which would never have been contemplated, in another state of things, multiplied. Towns were built up with good and permanent houses. In three years from the close of the war, things had received a new face along the great water courses, and in all the favorable points of the interior.

New states and territories grew out of this order of things, like the prophet's gourd. In building up legislation and municipal order, the scramble of strangers, recently brought in contiguity, for the new offices, introduced much bustle and quarrelling. All the legislators were not Solons. A great many forward and plunging young men, whose only qualifications for their great work, were vanity and confidence, composed the legislatures. Of course a thousand monstrous projects were hatched. The teaching of the past, history and experience, were not the

guides of these confident legislators. The evils, that soon resulted from such legislation, gradually worked their own cure. The people were slow to learn; but in most of the states and territories, after taking lessons for two or three years, they did learn, and returned to the safe and ancient track of history, example and experience. One or two states, and those among the most influential in the western country, have hardly regained sound discretion upon these points even yet.

Meanwhile, this unnatural state of things could not last long. The tide began to ebb, and things to settle to their natural level. The first indication of this change was, that the banks began to fail, at first as rare occurrences; but these failures soon became so numerous and common, that the paper, except of the banks of Louisiana, Mississippi, and a very few of the interior banks, became as useless as any other wrapping paper. We have not the data for calculating the amount of loss in the western country, and patience and moderation of feeling would fail us, in contemplating these enormous mischiefs of legislative swindling. An inconceivable quantity of paper perished, not in the hands of the speculators, and those, who had been efficient in generating it; for they foresaw the approaching ruin, and they passed the spurious paper away, before the bubble of confidence, on which it was predicated, burst. It finally rested, and perished in the hands of farmers and mechanics,—the honest and the useful members of the community, who had fairly earned the value of the money. May it be a perpetual warning to the legislatures of the West, not to allow demagogues to trifle with their interests, in the introduction of banking schemes based upon any other foundation, than solid capital. A more enormous engine of mischief and dishonesty never was introduced into a community.

Lands experienced almost a perpendicular fall. Immigration was suspended. Money ceased to flow into the country from that source. The depreciated paper of the country banks ceased to be received in payment. The merchants had sold out on credit the immense amounts of goods, which they had brought into the country, and the debtors had no means of payment left to enable them to make remittances. All the specie of the country made its way to the Atlantic country, to pay for the goods, imported thence. Credit was at an end, and universal distress prevailed. In some of the states, after slight experiments of quackery, the legislatures began to consult experience, and desisted from violent political remedies, which in the end are sure to aggravate the disease. In other legislatures, where they had not yet learned, that bills made by an engraver, and signed by a president and cashier of a bank with a name, are not necessarily money, they passed laws, whimsically called 'relief laws,' and there was a new deluge of bank paper in a new form, to remedy the distress, occasioned by the failure of the old. In Kentucky, Illinois, and Missouri, the legislatures plunged deepest into the abyss of relief laws. Loan offices emitted money on the faith of the state, pledged for its redemption. It was soon in the hands of speculators, purchased at a fourth of its nominal value. It was directly ascertained, that the remedy was worse than the disease. This evil was longest persisted in, where it would have been supposed, it would be relinquished first, in Kentucky, the common mother of the western states, opulent, enlightened, and teeming with men of education and intelligence. So it will ever be, when the rash and presuming legislate, and predicate their schemes on wild theory, and not on the sure teaching of age, tried wisdom, experience, and the analogy of the past.

In the greater part of the western country, things slowly returned to their natural level. The circulation became sound, and was either specie, or paper based on capital. History can not pretend to give an idea of the aggregate of the distress, which these evils had occasioned. They were spread along a course of two thousand miles; were experienced in cabins and lonely habitations, as well as towns and villages. They were concealed from the public eye and ear; and though of an efficacy to create immense and nameless misery, were not of a character to create much commiseration or sympathy. It will be well, if they have furnished salutary lessons for the future, that will not soon be forgotten.

From that time to the present, there have occurred in the western country few events to find a place in annals, like these. Were we to descend to the details of state events, and the character of state legislation, volumes would be necessary to such a narrative. Mercantile, and mineral, and fur associations were formed at different periods, and have been pursued with spirit. Different exploring expeditions, ordered by the government, have added to the general and topographical knowledge of the country. An hundred new towns have grown to consequence, and the catalogue of proper names has been ransacked to find names for them. Steam boats have been increased to such numbers, that there are now more than one hundred and fifty on our waters. Our militia is gradually acquiring efficiency and organization. It is, probably, as numerous, in proportion to our population, as that of the Atlantic states. In some of the states, the system is lax, or the laws are badly enforced; for the militia is neither regularly organized, trained, or armed. A levy, *en masse*, would probably in the state of Ohio bring to the field more fighting men, in proportion to the popula-

tion, than any where else in the United States. Owing to its recent settlement, few of the inhabitants are past the age for bearing arms. The males immigrate in greater numbers, than females; and from these circumstances, the proportion of men capable of bearing arms is great.

For the rest, the details of local history, enterprize and improvement in this valley, will best be given under the heads of the states and territories, which are now to be described. Tables, which present the best synopsis, that we can procure, of the historical events, which we have been relating, in chronological order, and of the population, military strength, navigation and exports of the Mississippi valley, will be given in the Appendix.*

* See Appendix, tables No. IX and X.,

FLORIDA.

LENGTH 550 miles. **Mean breadth** 120 miles. **Between** 25 and 31° N. latitude, and 80 and 92° W. longitude from London. Under its former owners, it was separated into two political divisions, whose geographical limits were strongly marked by nature; to wit, East and West Florida. At the southern extremity of East Florida, there is a long and narrow peninsula, running nearly 100 leagues into the sea, and marking the eastern boundary of the gulf of Mexico. It extends northwardly to Alabama and Georgia. East to Georgia. South to the gulf of Mexico; and west to the river Appalachicola, between 80 and 85° W. longitude from London, and 25 and 31° N. latitude. West Florida extends from the limits of East Florida, with the same northern boundaries to the river Perdido, which divides it on the west from Alabama.— This division will soon cease to exist, and the two Floridas will constitute one government. By the treaty of cession from Spain, it has become an integral part of the American republic, and will, probably, soon have a sufficient population to claim admission into the union of the states.

Climate. This may be considered in some respects a tropical climate. The northern belt, indeed, which lies along the southern limits of Georgia and Alabama, partakes of the cooler temperature of those states, and seems to be beyond the range of the proper cultivation of the

Otaheite and African sugar cane. The ribband cane will, probably, flourish in this division. The regular range of the thermometer throughout the Floridas, from June to the autumnal equinox, is between 84 and 88° Fahrenheit. It sometimes, as elsewhere, rises above 100°; but this range occurs as seldom, as in the adjoining states. The mercury, probably, ranges lower through the summer, than in the interior of Alabama and Georgia. Even in winter, the influence of the unclouded and vertical sun is always uncomfortable. In the peninsular parts, there are sometimes slight frosts, but water never freezes. The most delicate orange trees bear fruit in full perfection, and the fruit is reputed remarkably delicious. There is generally a sky of mild azure, southern breezes, and an air of great purity. But, as happens in most southern countries, which are level, timbered, full of lakes, and near the sea, the evening air is particularly humid, and the dews excessive. Early in winter, the rainy season commences. In February and March, there are thunder storms by night, followed by clear and beautiful days. In June, the sultry season commences, and terminates with the autumnal equinox. But, take the climate altogether, there is not, perhaps, on the globe a more delightful one, than this is between the months of October and June. The peninsular parts, being near the tropics, have of course a higher temperature, than West Florida, which is occasionally fanned by Canadian breezes, that sweep the Mississippi valley.—The peninsula is subject to tornadoes, like the West Indies. On the Atlantic side of Florida prevail the eastern, and in West Florida the western trade winds. But in West Florida, after severe thunder storms, northern breezes alternate through the summer. About the time of the autumnal equinox, there sometimes occur hurricanes and destructive gales. In the northern parts the influence of

the cold breezes from the northern regions, which are covered with snow, are sensibly felt; and then ice forms on the northern exposures of buildings. There are, at particular seasons, indications of considerable humidity over all the country. Though there are never heats and humidity to cause *sugar and salt to melt*, as some fanciful writers have imagined, and asserted. Perhaps there is no point in the Floridas, where humidity is more manifest, than about St. Augustine; and yet, in Spanish times, the citizens of Havana used to resort, during the sickly months, to St. Augustine for health, as a kind of Montpelier, and perhaps no place at present is found more congenial to the constitution of the people of the United States. The same sudden variations of temperature are felt here, especially in the winter, that constitute so distinct a feature in the climate of all the south-western parts of the United States. The thermometer sometimes ranges 30° in a single winter day.—Northern people would never conceive, except by inspection, how long fires are comfortable, and how great a portion of the year requires them, in a climate, where rivers never skim with ice. From June to October, the frequent rains, and the unremitting heat are apt to generate the fevers of southern climates, especially in the vicinity of ponds and marshes. Where fields are flooded for rice, and where indigo plantations are made, it is invariably sickly. On the other hand, it may be safely asserted, that the regions of Florida, that are remote from marshes, swamps, and stagnant waters, are healthy. The ever verdant pine forests cover a great extent of this country, and these in the mind of an inhabitant of the south are ever associated with the idea of health. At least two-thirds of the country are covered with this timber.

Productions. The vegetable kingdom in Florida has a greater variety, than in any other part of the United States.

In the comparatively richer soils, in the hammock lands; on the river courses, and the richer swamps nothing can exceed the luxuriance and grandeur of the shrubs and trees. The pine forest is almost boundless and inexhaustible; and the pines are of an extraordinary height and beauty.—What is called white cedar, and cypress, abound in the vast swamps, and this timber grows of great size. Laurel Magnolias are common, and though not exactly what they have been described to be, are beautiful trees. Live oaks are frequent, and the tree here develops itself in its full perfection. A large, detached live oak, seen at a distance, on the verge of a savanna, or on the shores of a river, spreading itself, like an immense umbrella, its head of such perfect verdure, and so beautifully rounded, is a splendid object on the landscape. The cabbage palm, *Chamærops palmæto*, is common. The deep swamps present the customary spectacle of innumerable cypress columns, rising from immense buttresses, with interlaced arms, at their summits, presenting the aspect of a canopy of verdure reared upon pillars. On the hammock lands, the beautiful dog wood trees spread their horizontal branches, and interweaving them with each other, form a fine, deep shade, which completely excludes the sun, and suppresses the growth of all kinds of vegetation under them; presenting, in some places, for miles together a smooth shaven lawn, and an impervious shade. Here is the beautiful *carica Papaya*, or paw-paw, with a stem perfectly straight, smooth and silver colored, and with a conical top of splendid foliage always green, and fruit of the richest appearance. Five or six species of pine are found here.

There are many traces of ruined towers, desolated Indian villages, and indications of former habitancy, and much more cultivation, than is now seen in the country. Wherever these traces of former population are seen, are seen

also, those groves of lime, orange, peach and fig trees, that are spoken of by travellers, as having been found here indigenous to the soil. Wild grape vines abound. *Myrica odorata*, or candle berry laurel is common. From the berries of this shrub is prepared an excellent kind of wax for candles. It is not unlike the bay berry of the north, except that the shrub is taller, and the berries larger. Among the flowers is the magnificent *Hybiscus*, which, though an herbaceous and annual plant, grows to the height of ten feet, branching regularly in the form of a sharp cone, and is covered with large, expanded and crimson flowers, which unfold in succession during all the summer months. *Tillandsia usneoides*, long moss, or Spanish beard is as common here, and has the same appearance as will be hereafter described in Louisiana. It hangs down in festoons, sometimes ten or fifteen feet in length, like the pendent stems of the weeping willow. Waved by the wind, it catches from branch to branch, and sometimes fills the interval between the trees, as a curtain. It has a long trumpet shaped flower, and seeds so fine, as to be hardly visible. These seeds undoubtedly fix in the bark of the trees; and this parasitic plant there finds its appropriate soil. It will not grow on a dead tree. Cattle, deer and horses feed on it, while it is fresh. When properly rotted, and prepared, which is done much after the manner, in which hemp is prepared, it is an admirable article for mattresses, and stuffing for cushions, saddles, coach seats, and the like. The fibre when properly prepared, is elastic and incorruptible, and in many respects resembles horse hair, both in appearance and use. The Spanish and natives also use it for horse collars, coarse harnessing and ropes.

The low savannas are covered, like the prairies of the upper country, with a prodigious growth of grass and flowers. In the swamps, the cane brakes are of great height

and thickness, and the rushes, and other meadow plants grow to an uncommon size. Some of the reed canes are seen from thirty to forty feet in height. The lakes and creeping bayous, especially in summer, are covered with a most curious growth of aquatic plants, called by botanists, *pistia stratiotes*. They somewhat resemble the vegetable, commonly called house leek, and have a beautiful elliptical leaf. It is commonly, but not correctly reported to vegetate on the surface of the water. When the roots of thousands of these plants have twined together, so as to form a large and compact surface, the moss is often divided by the wind, or current, to a considerable distance. This is the appearance, no doubt, which has given origin to the story of floating islands, which has been so often repeated about the waters of this country. We have remarked with admiration this singular and beautiful vegetation, spreading a verdant plain over the waters, for a great extent.—The water has often a great depth below it. Under it the fishes dart, and the alligators pursue their unwieldy gambols, and in the proper season, multitudes of water fowls are seen pattering their bills among the leaves. The herbarium, though exceedingly rich, and diversified, is not materially different from that, to be described hereafter.

The cultivated vegetables are maize, beans, potatoes, especially sweet potatoes, it being an admirable country for that fine vegetable, pumpkins, melons, rice, and a variety of esculent roots, particularly a species of *arum*, which is much cultivated in the maritime parts, and has a large turnip shaped root, resembling, when roasted, or boiled, a yam in taste. Tobacco, cotton, indigo, rice and the sugar cane will be the principal articles of culture. The African and Otaheite cane flourish remarkably well in the southern parts, on the hammock and richer lands, and planters are beginning to turn their attention very much to the cultivation of

that article. The coffee tree has been tried on the peninsula; and coffee can unquestionably be raised there; but whether of a kind, or in quantities to justify cultivation, has not yet been sufficiently experimented. The olive has been sufficiently tried to prove, that it flourishes, and bears well. A species of Cactus is common, on which the Cochineal fly feeds; and this will probably become an important article of manufacture. A species of cabinet wood of great beauty grows here, which they call bastard mahogany. It is probably the *Laurus Borbonia*.

Minerals. The country is not rich in this department, although it is affirmed, that several kinds of precious stones have been found here, as amethysts, turquoises, and *lapis lazuli*. Ochres of different colors, pit coal and iron ore are abundant. We have seen beautiful aggregations of little circular nodules of marine petrifications, and splendid specimens of coral and marine shells found on the shores of the gulf. On Musquito river, there is a warm mineral spring, pouring out, as do many of the springs of the country, a vast volume of water sufficiently large to fill a basin, in which large boats may float. The water is sulphureous, and is esteemed efficacious in rheumatic, and other affections. It is remarkably pellucid, and is filled with fishes, that are seen sporting about in the transparent depths.

Animals. There are prairie and common wolves, wild cats, panthers, foxes, rabbits, many beautiful kinds of squirrels, raccoons, opossums and woodchucks. The common brown bear is yet seen in the swamps. In short, there are all the wild animals that are seen in the south-western parts of the United States, with a few, that are peculiar to this climate. It is a fine grazing country, and grass abounds in the open pine woods and savannas, and the swamps furnish inexhaustible supplies of winter range. Thus it is an admirable country for raising stock. The rearing of cattle

and horses, in times past, has been the chief employment of the small planters. They number their cattle by hundreds, and sometimes by thousands. There are immense droves of deer, and this is the paradise of hunters, though in many places the Indians complain of the scarcity of game. Wolves sometimes assemble in great numbers, and when united or single, are always formidable enemies to the folds and vacheries of the planters. Bears have been killed here of 600 pounds weight. The inhabitants esteem their flesh a great luxury.

Birds. The ornithology of Florida is probably the richest in North America. There are here immense numbers and varieties of water fowls, especially in the winter, in the sleeping inlets on the shores of the gulf, on the bayous and creeks. In the woods and stationary through the winter are vultures, hawks, rooks, jays, parroquets, woodpeckers, pigeons, turkeys, herons, cranes, curlews, cormorants, pelicans, plovers, blue birds, mocking birds, red birds, and a great variety of the sparrow tribe. The dog wood groves are the resort of vast numbers of the small and singing birds. Among the remarkable birds, are the snake birds, a species of cormorant of great beauty, which delight to sit in peaceable communities on the dry limbs of trees, hanging over the lakes, with their wings and tail expanded, as if cooling themselves in the air. When alarmed, they drop, as if dead, in the water, re-appearing, perhaps, at a great distance from the place, where they sunk, shewing only their long, slender head and neck above the water, which gives them much the appearance of a snake. The crying bird is a curiosity. It is a species of pelican, about the size of a large domestic hen, and of a speckled color, with a short tail, having the longest feather in the middle, and the two outermost perfectly white, which the bird, whenever he is disturbed, is accustomed to flirt with the rapidity of light.

ing, uttering at the same time a sharp and harsh shriek.— The wood pelican is a large bird, nearly three feet high.— He stands erect, feeds on frogs, serpents and other reptiles, and is generally seen stalking alone on the banks of marshes, and rivers, with his neck drawn in upon his shoulders, and his long crooked beak, resting, like a scythe, upon his breast. The painted vulture is of a white, or cream color, except the quill feathers of the wings, and the tip of the large tail feathers, which are of a dark brown, or black. This bird is seldom seen, unless when the woods, or savannas are set on fire by lightning, or the savages to rouse the game; and then they gather from every quarter towards the burning plains, and alighting among the smoking embers, gorge their immense craws with roasted serpents, frogs and lizzards.— The Creek Indians form their national standard from the tail feathers of this bird, preserving them in their natural white color, when they are marching on peaceable negotiations; but painting a zone of red beneath the brown tips, when they are going to battle. The great savanna crane, a very stately bird, about six feet in length from the toes to the extremity of the beak, is nearly five feet in height, when standing erect, and eight or nine feet between the extremities of the expanded wings. They fly in squadrons, all rising, or falling, as one bird, and while they move their wings in flight, with slow and regular strokes, the shafts and webs of their quill feathers may be heard at a considerable distance in the air.

Fish. The coasts, sounds and inlets abound in excellent fish; and the inland lakes and rivers are stored with such multitudes of them, as can not be adequately conceived, except by those, who have seen them. They are generally of the same kinds, that we have named under this head, in our previous remarks upon the Mississippi Valley.

We may observe in general, that the fish of this region, especially on the sea coast, are fine. The fish, here called

the sun-fish, is the same with the trout of Louisiana. It is an excellent fish, and no angling can exceed it. It takes the bait with a spring. There is no doubt, but the accounts of the multitudes of fish here have been somewhat exaggerated. The most moderate and just representations would seem like exaggeration. They are taken through the year. What is a matter of curiosity, to all the recent settlers in the country, is the multitudes of fish, that are seen at the mouths of the immense springs, that burst forth from the ground, of a size at once to form considerable rivers. When the channel of these subterranean streams is struck, by perforating the earth at any distance from the fountain, the hook, thrown in at the perforation, is eagerly taken by the fish, and fine angling may be had, as if fishing in a well. The most common kinds are the sun fish, cat fish, silver, or white bream, and the black, or blue bream, stingray, scale flounders, spotted bass, sheep's head, drum, shad, &c. Oysters, and other shell fish are excellent and abundant. Alligators and alligatorgars are the common enemies of the finny tribes, and they here feed, and fatten on the fish.—The swamps, lakes and inlets here, so abundantly stored with fish, frogs, insects, and every kind of small animals, that constitute the natural food of alligators, would lead us to expect, to find this animal in great numbers. There are all the varieties of lizzards, that we have enumerated, as belonging to the western country in general. The lakes and rivers abound in tortoises. The great, soft shelled fresh water tortoise, when of a large size, has been found weighing fifty pounds, and is esteemed by epicures, delicious food. The gopher is a curious kind of land tortoise, and is by many considered prized for the table. There are vast numbers and varieties of frogs, and the music of the *Rana boans*, or bull frog is heard in concert with the cry of the Spanish whip-poor-will, the croaking of tortoises, and the

innumerable peepings and gruntings of the amphibious animals and reptiles of the lakes and marshes.

Serpents. They are for the most part the same as have been described already under this head. Here is seen the ribband snake, of a clear vermilion color, variegated with transverse zones of dark brown. It is found about old buildings and is harmless. Here, also, is the chicken snake, swift, slender, long and harmless. Its prey is chickens.—The bull snake is common on the savannas. It is a large, fierce and venomous looking snake, uttering, when irritated, a loud hissing noise; but its bite is harmless. The coach whip snake is common. It is an animal of beautiful colors, six feet long, and as slender, as a walking stick.—The glass snake, which we have described elsewhere, is seen here.

Insects. Incredible numbers of the small insects, called ephemeræ, cover the surfaces of the lakes and rivers, supplying abundant food for the birds, frogs and fishes. Clouds of the gaudiest butterflies hover among the shrubs and flowers. Gnats and musquitos, as might be expected in such a country, are extremely frequent and annoying, especially about the rice and indigo plantations, being ordinarily found in greatest numbers, where it is most unhealthy. On the open, dry savannas they are neither so frequent, nor troublesome; and they decrease in numbers, as cultivation advances. The jigger, red bug and musquitoe are most annoying.

Bays, Inlets and Sounds. From the uncommon levelness of the country on the sea shore, and from the numerous rivers, that intersect the country, there is no part of the world, that for the same extent has so many inlets, sounds, narrow passes of water between islands, and communications of one point of the shore with another, by an inland channel. The whole coast is almost a continued line of

these sounds; and it is beyond a doubt, that at a comparatively small expense, a canal communicating with the sea, in an hundred places, might be made from New Orleans to the river St. Marys. From this river to the Sabine, and we may add, through Texas, almost every river, that enters the gulf just before its entrance, spreads into a broad lake, communicating with the sea, and the water is partially salt. From one of these lakes to another, there is often a large natural canal, with from four to six feet water. Those on the shores of Florida are too numerous to mention with particularity in this work. The principal are the passes of St. Rosa, St. Andrews, and St. Georges. Estimates of the expense, and a survey of the ground for a canal through the peninsula of Cape Florida have been made. If such a canal were effected, the tedious, dangerous and circuitous doubling of Cape Florida would be avoided by all vessels, bound from the Louisiana and Florida shore, to the Atlantic. The passage by sea from New Orleans and Mobile, to the north would be shortened by one half, and the annual saving of life and property from ship wreck would be incalculable. The apprehended difficulty of the canal seems to be the shallowness of the water of the gulf, near the point, where the canal must commence and terminate. In West Florida are Perdido, Pensacola, St. Andrew's, St. Joseph's, Appalachicola, and Ochlockney bays.

Rivers. The rivers, that have courses of considerable length rise in the high lands of Georgia, Alabama and Mississippi. St. Marys is a very considerable stream, that falls into the Atlantic, by a broad mouth. It is for a long way the separating line between Florida and Georgia.

St. Johns, a very considerable river, rises in the centre of the peninsula, and flowing with a gentle current northwardly, broadens to a wide channel, and passes through several lakes, the largest of which is St. George, twenty

miles long, and twelve broad, and falls into the sea forty miles south of St. George. Indian river has a course from north to south, and empties into the gulf. Most of the rivers, that fall into the gulf, have their sources in Georgia.—The most important of these is Appalachicola, which divides East from West Florida. It is formed by the junction of two considerable rivers, that rise in the subsiding Appalachian ridges in Georgia, the Flint and the Chattohochy. It is the longest, largest and most important river in Florida, and falls into Appalachy bay. The small river, St. Marks, empties into the same bay. Escambia is a considerable river, and empties into Pensacola bay. Perdido, which forms the boundary between Florida and Alabama, falls into the gulf four leagues west of Pensacola bay. There are, also, the Nassau, St. Nicholas, Ochlockney, Corelia, St. Pedro, Charlotte, Hillsborough, Suwaney, Asilla and Vilchees, which rise in Florida, and at different points fall into the gulf. There are a great number of rivers, not here enumerated, that rise in the pine forests, have considerable courses, and fall into arms and inlets of the gulf. The country is as yet scarcely susceptible of accurate topographical information. The almost numberless rivers and inlets have not yet all received names, and of those that have been named, having been traversed successively by the Spanish, French, English and Americans, as owners, and each having named the rivers, according to their own fancy, the same river has not always borne the same name. The country is so intersected with rivers, and accommodated with inlets, and the soil is so level, and the communications from one point to another so easy by water, that there is no place in the territory at any considerable distance from water communication. The entrances to most of the rivers have a bar, that unfits them for the navigation of vessels drawing much water. Most of these rivers are suscepti-

ble of considerable reaches of schooner navigation, and they are generally capable of steam boat navigation.

Islands. The sea islands on the Florida shore are not of much importance. St. Rosa island is a long and narrow slip parallel to the coast, between St. Rosa bay and Pensacola. The Tortugas are a group of islands, opposite the southern-most point of East Florida. They are covered with Mangrove bushes, and extend from north-east to south-west. Anastatia is opposite to St. Augustine, and divided from the main land by a narrow channel, and is twenty-five miles in length. They are covered with pine trees and sand banks, and have a sterile soil. On the West Florida shore are Hammock, Crooked, St. Vincent's, St. George's, Dog, and James' islands.

Fountains and Springs. There seems to be over all this country, a substratum of soft stone, at unequal depths, which is cavernous, and admits numberless subterranean brooks and streams to have their courses far under the ground. In places they burst out in the form of those vast boiling springs, which form rivers at a short distance from their outlets, and by their frequency, their singular forms, the transparency of their waters, and the multitude of their fishes, constitute one of the most striking curiosities of the country. Among an hundred, which might be named, and which have created the vulgar impression, that there is every where a prodigious cavern beneath the surface of the whole country, the most remarkable is that, twelve miles from Tallahassee, which is the source of Wakulla river.—It is of a size to be boatable immediately below the fountain. A mile below its source the channel becomes so impeded with flags, rushes and river weeds, that a boat can scarcely be propelled through them. Suddenly this immense spring breaks upon the eye, of a circular form, and in extent, like a little lake. The water is almost as pellu-

cid, as air. It has been sounded with a line of 250 fathoms, before bottom was found. From its almost unfathomable depth, from the aerial transparency of its waters, and perhaps also from the admixture of sulphuret of lime, which it holds in solution, it has a cerulean tinge, like that, which every voyager has admired in the waters of the gulf. To a person placed in a skiff, in the centre of this splendid fountain basin, the appearance of the mild azure vault above, and the transparent depth below, on which the floating clouds and the blue concave above are painted, and repeated with an indescribable softness, create a kind of pleasing dizziness, and a novel train of sensations, among which the most distinguishable is a feeling, as if suspended between two firmaments. The impression only ceases, when the boat approaches the edge of the basin near enough, to enable you to perceive the outlines of the neighboring trees pictured on the margin of the basin. It has been asserted, that lime stone water in its utmost purity has less refractive powers for light, than free stone water. The water of this vast spring, even in this sultry climate, has a coldness almost like ice water. The water, probably, from the presence of the sulphuret of lime, is slightly nauseous to the taste. Beautiful hammock lands rise from the northern acclivity of this basin. It was the site of the English factory in former days. Here resided the famous Ambrister. The force, which throws up this vast mass of waters from its subterranean fountains, may be imagined, when we see this pellucid water swelling up from the depths, as though it were a cauldron of boiling water. It is twelve miles from St. Marks, and twenty from the ocean.

Savages. These have been sufficiently designated in our general views of the savages, and in our annals of general Jackson's campaigns. The Seminoles were once a numerous and powerful tribe, as were also the Baton-Rouges, or

Red Sticks. Their numbers were much reduced by the terrible but deserved chastisement which they received during the late war. Numerous small tribes, and divisions of tribes, and congregated bodies of refugees from different foreign tribes are dispersed in the forests and savannas of this country. They used to find in the spontaneous production of the soil, and in the abundance of fish and game, a superfluity of subsistence. At present, they complain of being in a state of starvation, and they have recently committed many murders. In consequence, a general requisition was made upon the militia, living in the counties contiguous to the points, where the murders were committed, and apprehensions were entertained of an Indian war.—The murderers have since been surrendered to justice, and these apprehensions have subsided.

The Indians of this region are an alert, active and athletic people, fond of war, of gay, volatile, and joyous dispositions, and the merriest of savages. They have the common propensity for intoxication and gambling. They are active and expert hunters; and, by the sale of bear, deer, panther and wolf skins, horses and cattle, bees wax, honey, venison, and such articles generally, as are the fruit of the chase, they procure their clothing, and such things as are called for by their habits of life.

Civil divisions. Since the cession of this country to the United States, the immigration to the country has been very considerable. The country has been divided into counties, judicial and military districts; and all the benefits of American institutions are peaceably diffused over its whole surface. The present number of inhabitants in both Floridas may probably exceed 20,000. They are as thoroughly mixed, as any community in the United States, comprising emigrants from all foreign countries, and from every American state; and among the creoles, there are all pos-

able admixtures of African and Indian blood. The greater proportion of the inhabitants are very poor, and too great a part of the recent immigrants are mere adventurers. The greater number of the ancient inhabitants lead a kind of pastoral life, and subsist by rearing cattle. A few of the planters are opulent, and have good houses with piazzas, and every addition, that can easily be devised to court the breeze. They live a solitary life, in remote forests, or savannas. But abounding in fish, cattle and game, they have all the necessaries of life without labor or difficulty; and the unbounded hospitality which they practise, is at once an easy and delightful virtue. Nothing can be more grateful to the summer traveller, oppressed with hunger, thirst and heat, and wearied with the sad uniformity of the wide pine forests, and savannas, than the cordial, though rude welcome, the patriarchal simplicity, the frank hospitality, and the surrender of time, slaves, and every thing that the house affords, to his comfort, than he receives here. Some portions of this region, have interest with the thinking traveller, from another circumstance. The many mounds, that are memorials of ages and races forever lost to tradition and history, are here mixed with the melancholy ruins of considerable villages, that rise among the orange groves, and manifest, that there was once, even here, a numerous population of civilized beings.

The amusements of the people are a compound of Spanish, French and American manners. What is called in Louisiana, 'King ball,' is here called *Patgo*. There is an imitation bird. The young marksmen shoot at it. The most adroit is made king of the ball by the ladies; and for this distinguished honor, has to pay the expenses of the ball. The *Cherrivarees*, so well known in all the French settlements, are kept up here. When a widow, or widower is married, the people of the younger and gayer class assem-

ble in all manner of disguises and fantastic dresses, and with instruments to make every kind of discordant noise, rioting, and tormenting the new married couple, until they are bought off, generally with wine, or spirits.

West Florida is divided into Walton, Escambia, Washington, Jackson, Gadsden and Leon counties.

Comparative advantages of immigration to Florida.

This country was in some points of view an invaluable acquisition to the United States. It was necessary to the rounding, and completing the area of our surface, that no foreign power should possess a territory surrounded by our own. It was necessary for the possession of its harbors, and its immense line of coast. It was invaluable for its inexhaustible supplies of ship timber. As an agricultural country, it must be confessed, a great part of it is sterile. The level pine forest lands will bring one or two crops of corn without manure; and will, probably be cultivated to a certain extent with indigo. The drier lands of this sort are admirable for sweet potatoes, and on the whole better, with the requisite cultivation, and manuring, for gardens, than soils, naturally more fertile. There are considerable bodies of excellent land, distributed at wide intervals over all the country. But a small proportion of these are, what are denominated first rate. Some parts, probably, offer equal advantages for the cultivation of sugar with the sugar lands of Louisiana. Cochineal, it is supposed, will be made to advantage, and it may be, coffee. It offers superior maritime advantages of every sort; abounds in the materials of ship building; and in its rich and inexhaustible fisheries, and its supply of oysters, and sea fowl has its own peculiar advantages. The immigrant, who sought to enrich himself by cultivation alone, would, probably, make his way to the richer soils, west of the Mississippi. But, if taken as a whole, it is more sterile than the country along the Missis-

issippi, it feels the refreshing coolness of the sea breeze, and the trade winds, and, it is beyond doubt, more healthy.—Nature has her own way of balancing advantages and disadvantages, over the globe; and a Florida planter finds sufficient reasons, on comparing his country with others, to be satisfied with his lot.

Chief Towns. St. Augustine is the chief town of East Florida, and the most populous in the country. It is situated on the Atlantic coast, thirty miles below the mouth of St. Johns, about two miles within the bar, opposite the inlet, and at the neck of a peninsula, in north latitude $29^{\circ} 45'$.—The bars at the entrance of the inlet have from eight to twelve feet water. The town is built of an oblong form, divided by four streets, that cut each other at right angles. It is fortified by bastions, and surrounded by a ditch, and is defended by a castle, called Fort St. John. The river St. Marks, flows through the harbor, and divides the town from the island. The streets are generally so narrow, as scarcely to permit two carriages to pass each other. To make up for this inconvenience, the houses have a terrace foundation, which, being shaded, renders the walking in the sultry days agreeable. The houses are generally built of a free stone, peculiar to the country. This rock is obtained from the adjacent island, and is formed of concrete sea shells. The external walls are plastered, and have a handsome and durable appearance. They are not more than two stories high, with thick walls, spacious entries, large doors, windows and balconies, and commonly a large and beautiful garden attached to them.

On entering this ancient looking town from the sea, the castle of fort St. Mark has an imposing effect upon the eye. It is a fort forty feet high, and in the modern style of military architecture. It commands the entrance of the harbor. It is of a regular quadrangular form with four bast-

ions, a wide ditch, and sixty heavy cannon, and is capable of containing 1,000 men. It is on a point of land between the conflux of Matanzas creek, and St. Sebastian's, and forms a landscape of great picturesque beauty, with its interspersed groves of orange trees, and flower and kitchen gardens. Although the soil about St. Augustine is so sandy, as to give it the appearance of being sterile, yet it is far from being unproductive. It brings two crops of maize in a year; and garden vegetables grow in great perfection.—The orange and lemon grow, as if they were indigenous, and of a greater size, it is affirmed, than in Spain, or Portugal. The harbor would be one of the best, if it were not for the bar at its entrance, which prevents the approach of large vessels. There is a light house on the island, and some gardens, and orange and date trees. From this island are taken the stones, of which the town is built, and here commences the northern limit of that remarkable quarry of stone, that skirts the southern shore of Florida. The population of St. Augustine is now supposed to consist of between four and five thousand inhabitants. Near this town grows the palm, or date tree. Its branches attract notice from their singular beauty, and constant rustling, like aspen leaves, as well, as from the peculiarity of the under branches, which resemble, and serve for ladders, by which to ascend the tree. The fruit in form resembles the largest acorn, and is covered with a thin, transparent, yellowish membrane, containing a soft saccharine pulp, of a somewhat vinous flavor, in which is enclosed an oblong, hard kernel. When ripe, it affords an agreeable nourishment. The olive has already become naturalized to the soil. Some have asserted, that cocoa trees would succeed in the southern parts of the peninsula.

Pensacola, fifty miles from Mobile, is the capital of West Florida. It is situated on a bay of the same name, in north latitude 32° 32' and in longitude 10° 18' from

Washington. The shore is low and sandy; but the town is built on a gentle ascent. It is, like St. Augustine, built in an oblong form, and is nearly a mile in length. Small vessels only can come quite to the town. But the bay affords one of the most safe and capacious harbors in all the gulf of Mexico. It has been selected by our government, as a naval station and depot, for which its harbor, and the advantage of fine ship timber in the neighborhood, and its relative position admirably fit it. A stream of fresh water runs through the town, and its market is well supplied with beef, garden vegetables and fish. Oysters, turtles and gophers are important items in their supplies of food, and especially sea fowls. It was an old and decaying town, when it came under the American government. At that period it received that impulse of increase and prosperity, which has uniformly been the result of coming under the American government. A number of new and handsome brick houses were built. Numerous adventurers flocked to the place, drawn thither by its natural advantages, and its reputation for uncommon salubrity. In the fatal autumn of 1822, the yellow fever visited this place, in common with many other towns on the gulf. Extreme negligence in the police of the town is supposed to have caused it. Confidence in its fancied exemption from that terrible malady was destroyed; and it again declined. It is, unquestionably, a salubrious position for that climate, and it is hoped and believed, that its natural advantages, added to those, which result from its being a naval position, will restore to it its proper degree of estimation and importance. Its supplies are now in a considerable degree from New Orleans. Of course it is a place something more expensive than that city. One of its inconveniences is a very sandy position; and the inhabitants are said to acquire a general gait, as if continually walking in a sand, that gave way under their

feet. At present it contains a very respectable society, though the aspect of the town is rather unpleasant. It is supposed to contain about 2,000 inhabitants.

St. Marks is an inconsiderable sea port, not far from Tallahassee, and is the nearest navigable point to that place.

Tallahassee has been selected, as the seat of government for the territory of Florida. The reasons, which determined the governor and commissioners to fix on this place, as the metropolis, were its central position, its fertility of soil, and the reputation, it had acquired among the Spanish and Indians, as being uncommonly salubrious. The position was fixed upon for the seat of government in 1824. It was divided into lots, and sold in 1825. Five squares have been reserved for the purpose of public buildings. The precincts of the town encircle a beautifully undulating country. It was immediately incorporated, as a city. In two years from the first building, the number of whites and blacks were supposed to amount to 800. Some respectable houses were built, but the principal part of the habitations are temporary log buildings. The forest is falling on all sides, and it is daily acquiring more and more the appearance of a town. The amount of the sales of the lots was 24,000 dollars. That sum was appropriated for the erection of a territorial capitol. The materials for building are good and abundant. There are already eight stores, two taverns, and shops of all the customary mechanics, with a full proportion of lawyers and doctors, and 120 houses. A printing press has been established, from which issues the 'Florida Intelligencer.' The Florida mahogany, that grows in the vicinity, is scarcely inferior to that brought from Honduras. There are fine situations for mill seats in the vicinity, and great scope for industry and enterprize of every sort. Post roads have been opened to Georgia, St. Marks, St. Augustine and Pensacola; and

bridges and ferries so established, that travelling is comparatively safe and easy. Immigrants may now arrive at this place from any direction, without being obliged to sleep out of a house. In consequence of the sudden influx, articles at first were very high. Yet the neighborhood abounds in game, fish and water fowl. Venison and wild turkeys are constantly offered for sale, by the Indians. Trout and sun fish are taken in the immediate vicinity. At St. Marks, in the neighboring tide waters, sheep's head, and other sea fish, and oysters abound. The country around is high and rolling. This place is only three miles north of the elevated chain of rolling hills, which, for a great distance, bound the shores of the Mexican gulf. Thence to the sea, the land is low and level, and abounds in the long leaved pine. There are many lakes not far distant. The most important among them are Bradford's and Jackson's. The latter is a clear and beautiful sheet of water, fifteen miles long, and one and a half wide. This lake has risen, within the last year, six or seven feet. It must have had a subterranean outlet, which seems now partially stopped. It was but a small and shallow pond, in the time of general Jackson's campaign. The soil about this town is a mixture of loam, sand and clay. The growth in the dry grounds is oak, hickory and pine. But wild cherry, gum, ash, dog wood, mahogany and magnolia abound. The climate, as far as experience goes, is very healthy. The common summer elevation of the mercury is not high. The range is between 88° in summer and 24° in winter. The heat is moderated by a sea breeze. The dews are heavy. Where the soil is sufficiently rich, the climate is adapted to the sugar cane, and it will be a country for the growing of sugar. Vessels come from New Orleans to St. Marks, in three or four days. The remarkable 'big spring' of the river Wakulla is twelve miles distant.

When the contemplated canal shall have been completed, and the resources of the country developed, few places present more attractions to immigrants. Quincy, in Gadsden county, is a thriving village.

History. The most material events in the early history of the Floridas, have already been given under the general history of the country. The English aver, that it was discovered, in 1497, by Sebastian Cabot. In 1524, the first effectual settlement was made in the country. In 1528, an expedition was undertaken to the country, by Pamphilo de Narvaez, with 400 men, from the island of Cuba. He attempted to penetrate the interior of the country, and was never heard of more. In 1539, the country was entirely subdued by Ferdinand de Soto, one of the bravest officers in the Spanish service. But the savages were numerous, fierce and brave; and it cost the Spanish a long and bloody struggle, before they were able to establish themselves in the country. In 1564, the French began to establish themselves, and to form little settlements along the shore, and from the facility, with which they have always gained the good will of the savages, began to be at once powerful and troublesome to the Spaniards. Their settlements were seldom of an agricultural character. They generally took part with the natives, and addicted themselves to hunting. The Spanish sent a fleet against them, and destroyed their settlements. In 1597, the French made severe reprisals, demolishing all the forts, erected by the Spaniards, and murdering all the colonists, whom they found in the country. From this time the French neglected their establishments in this part of the country, and the Spanish continued, from time to time, to make petty establishments here. In 1586, St. Augustine was attacked, and pillaged by Sir Francis Drake. In 1665, it was entered, and plundered by captain Davis at the head of a body of buccanneers. 1702, colonel

More, at the head of 500 English and 700 Indians, marched from Carolina to the walls of St. Augustine, and laid close seige to it for three months. The Spaniards, having sent a squadron to the relief of the garrison, he raised the siege, and made a precipitate retreat. When the British established the first colony in Georgia, in 1733, the Spaniards became apprehensive of a new attack upon Florida, and not without reason; for in 1740, an expedition was fitted out against St. Augustine by general Oglethorpe. But the Spanish commander, having received timely notice of the intended attack, made such additions to the strength of the garrison, and used such other artificial defences, as that the English were compelled after sustaining considerable loss, to abandon the siege. In 1763, Florida was ceded to Great Britain, in exchange for Havanna. She received Florida, as an equivalent for that very important acquisition. By the encouragement, which the government gave to agriculture, numbers of colonists poured in from every part of the British island, and from all the countries in Europe; and this may be considered, as the most prosperous period of the country, as regarded its future prospects.—In the year 1781, while Great Britain was exerting all her powers to reduce her revolted colonies, a well concerted attack by the Spaniards, re-conquered the country, and brought it under its ancient regime, and it was guaranteed to them by the peace of 1783. It remained in their possession, forming one of the three governments, which composed the captain-general ship of the island of Cuba. In 1810, the inhabitants of that part of West Florida, which now composes part of the states of Alabama and Louisiana, in concert with the American authorities, removed the government of Spain, and attached themselves to the United States. The revolution was effected without blood shed. It is said, that they hesitated about the propriety of

setting up an independent government, and that they sent delegates to our government to treat respecting the terms of reception. We know not, if these assertions are founded; but we know that our government insisted, that the territorial jurisdiction of that district belonged to them, and that it was included in the limits of Louisiana, as our government had purchased that country from France. The country, so seceding, came peaceably under our government, and has so remained ever since.

We know little of the interior history of this country, while under the Spanish regime. St. Augustine, Pensacola and St. Marks were the only places of much importance. The country supplied Havana with cattle and horses; and furnished an occasional retreat to the inhabitants of that city during the sickly season. They had the customary Spanish engines of government, a priest, a calaboza, a commandant and a file of soldiers. History redeems but little from the silence of such a government, as it respects knowledge of the character and deportment of the officers, or the condition of the people. The materials for such annals, if any exist, are in the archives at Havana. Meantime our government had heavy and well grounded claims on the Spanish government for spoliations committed on our commerce. These claims, as also the settling definitively the territorial line of jurisdiction between the United States and New Mexico, made the basis of a treaty, by which the Spanish ceded to us the entire country. The treaty was made a law in 1820; and it then became a territory of the United States, and has since advanced with that steady progress in population and prosperity, which has marked every country, that has thus been added to our government.

ALABAMA.

Length, 280 miles. Breadth, 160 miles; containing 46,000 square miles. Between 30° 12' and 35° N. latitude; and between 8° and 10° W. longitude from Washington. Bounded North by Tennessee; East by Georgia; South by Florida, and West by the state of Mississippi.

Civil divisions.

<i>Counties.</i>	<i>Whites.</i>	<i>Free Blacks.</i>	<i>Slaves.</i>	<i>Total.</i>
Autauga,	2203	3	1647	3853
Baldwin,	651	61	1001	1713
Blount,	2239	1	175	2415
Bibb,	2930		746	3676
Butler,	835	1	569	1405
Clarke,	3778	26	2035	5839
Conecuh,	3769	13	1931	5713
Covington,*				
Dallas,	3324	2	2677	6003
Decatur,*				
Franklin,	3308	13	1667	4988
Greene,	2861	2	1691	4554
Henry,	2011	1	626	2638
Jackson,	8129	83	539	8751
Jefferson,*				
Lauderdale,	3556	29	1378	4963
Lawrence,*				
Limestone,	6922	30	2919	9871
Madison,	8813	46	8622	17,481
Marengo,	2052	15	866	2933
Marion,*				

. Those counties marked thus () are not included in the last census.

Mobile,	1073	183	816	2672
Monroe,	5014	30	3794	8838
Morgan,	4394	11	858	5263
Montgomery,	3941	8	2655	6604
Perry,*				
Pickens,*				
Pike,*				
Shelby,	2011	0	405	2416
St. Clair,	3607	6	553	4166
Tuscaloosa,	5894	0	2335	8229
Washington,*				
Wilcox,	1556	7	1354	2917
Total,	<u>85,471</u>	<u>571</u>	<u>41,859</u>	<u>127,801</u>

Population. No part of the western country has had a more rapid increase of population, than this state. In 1800, that portion of the present state of Mississippi, which is now Alabama, had only 2,000 inhabitants. In 1810, it contained 10,000. In 1820, it numbered 127,000. In 1830, it will probably exceed 200,000. This state rises by regular belts, or terraces from the gulf of Mexico. The lower belt is low, level, and has many swamps and savannas, and the prevailing timber is pine. The northern belt is pleasantly undulating. Tennessee valley, though a deep alluvial country, is in fact high table ground, and there are few countries, which excel this part of the state in fertility, mildness of climate, and pleasantness of position. This valley is separated from that of the Alabama by hills of such lofty and precipitous character, as generally to merit the name of mountains. Some of these peaks tower 3,000 feet above the level of the gulf. One chain runs from Ross, on Tennessee river, between the Coosa and Black Warrior, giving rise to the head waters of Cahawba. Another separates the streams of the gulf from those, that fall into the

Tennessee. Another range divides between the waters of the Black Warrior, and Tombeckbee.

Rivers. The Chatahoochee separates this state from Georgia, and not far below the limits of that state, unites with Flint river, to form the Appalachicola of Florida.—The Tennessee curves from the north-east to the north-west corner of the state near its northern line, and these pass into the state of Tennessee. A line of hills with a curve, corresponding with that of the Tennessee, runs at a distance of between fifty and eighty miles from that river, giving rise to numerous streams, that flow from one declivity north, to the Tennessee, and from the other south, to the waters of the Alabama and Tombeckbee. Into Tennessee flow Watts' river, Turkey creek, Poplar creek, Occochapa and many smaller streams. These rivers reach the Tennessee either at the Muscle Shoals, or near them. It is proposed to unite the waters of the Tennessee with the upper waters of the Tombeckbee by a canal, which shall cross Bear creek of the Tennessee, and the line of hills, that separates the waters of that river from those of Tombeckbee, and unite the canal with an upper and boatable branch of that river.

Mobile river is formed by the junction of Alabama and Tombeckbee, and is so called up to the point, where these rivers unite at fort Mimms. It enters Mobile bay by two mouths. The Alabama is the eastern branch of the Mobile, and is itself formed from the junction of the Coosa and Tallapoosa rivers. The Tallapoosa rises in the Alleghany ridges in Georgia, where it is called Occafusky, and receives a number of tributaries in the Indian country. It passes over considerable falls, before it gives its waters to the Alabama.—The Tallapoosa rises in the same ridges, and pursues a somewhat longer course to the south west. Both are rapid streams, run through the Creek country, and are not boatable to any considerable distance above their junction.—

From this junction the Alabama receives a number of small streams from the east, bends towards the west, and receives the Cahawba. It is navigable by sea vessels to fort Claiborne. The Tombeckbee rises in the ridges, that separate between its waters and those of the Tennessee, in the northern parts of the state; and receives some of its western branches from a range, that diverges from the Tennessee hills, and runs south along the middle of the state of Mississippi. It receives, in its progress, many considerable streams from the state of Mississippi on the west. It meanders through the Indian country, and a tract purchased by French immigrants. Eighty miles above St. Stephen's it is swelled by the accession of the Black Warrior, to which place small sea vessels ascend. In moderate stages of the water, it affords steam boat navigation to Tuscaloosa.— Both these rivers are extremely favorable to boat navigation; and during the higher stages of water, a number of steam boats are constantly moving through the dark forests and rich alluvions of these fine rivers. Yellow, Chactaw and Pea rivers rise in this state, and pass into Florida, as does also the Conecuh, a considerable river, that rises in its interior, and finds its way to the sea through that country. The Tensa is a branch, or enlargement of Mobile river, before it enters Mobile bay. The Perdido separates this state from Florida, as the Pascagoula on the west does from the state of Mississippi. Escambia rises near fort Claiborne, and running a southwardly course, it forms a junction with the Conecuh, and forms Escambia bay above Pensacola.

Face of the country, soil, &c. The following was considered by the purchasing immigrants a very accurate and faithful general delineation of the qualities of the soil. It is chiefly extracted from the published accounts of the United States' surveyor in that district; and has the advantage

of having been the result of actual inspection. The general shape of the state is that of a well defined parallelogram. The only undefined line is the southern one. From this line another parallelogram is formed, extending between Florida and the state of Mississippi. It includes Mobile bay. This was once part of West Florida, and was necessary to this state, to enable it to communicate with the gulf of Mexico. Except the alluvions on Mobile river, the soil is generally a pine barren. In Mobile bay are the islands Dauphin, Massacre and Petit Bois. Mobile bay is a deep and commodious entrance into the interior. Dauphin island is of a triangular shape, and five miles in length. The ship channel is between Dauphin island, and Mobile point. There is another pass, called Pass au Heron, which has but six feet water over its bar. Taking the state, as a whole, the northern parts, near Tennessee, are generally hilly and precipitous. At the Northern commencement of this belt, it is mountainous, and a continuation of the Alleghany hills. The central interior region is generally waving hills. As we approach within fifty or sixty miles of Florida, the swamps are, for the most part, timbered with cypress and gum trees, with some loblolly pines; and the uplands with long leaved pine. These pine swells and levels have a very thin soil; but generally having a substratum of clay, contain within themselves a principle of fertility, which, when cultivation shall be advanced, and population sufficiently compact, will not fail to be called forth. At present, they bear, without manuring, two or three crops of maize, and perhaps one or two of small cotton. But in the present order of things, while there are sufficient extents of rich lands, the pine barrens will be held in little estimation; and they probably, include more than one half the surface of the state. Among the pine woods grows rank grass, furnishing fine and inexhaustible summer range. The alluvions

on the Alabama and Tombecbee are generally wide, and for the most part first rate lands. Some affirm, that they are equal to the lands on the Mississippi. When these lands came into the market in the land office, the rash and grasping spirit of land speculation raised them to an inordinate price, which proved, in many instances, ruinous to the purchasers. In some cases, these lands in a state of nature, sold as high as fifty dollars an acre. The alluvial soils on the margins of the streams generally are fertile and productive. The hammock lands rank at the head of the second rate lands, and their fertility is of long duration.— They constitute an intermediate belt between the bottoms and pine ridges. They generally have a slope, like a glaucis. In the first rate lands no pines are to be seen. In second rate lands pines are intermixed with dog wood, hickory and oak. Wherever the high table grounds are seen covered with oaks, dog wood trees, and the pawpaw intermixed, the soil is sure to be fine. The French immigrants are sanguine in the belief, that the slopes and hammocks of this state would afford eligible soils and situations for vineyards. It will be an omen for good for the country in general, and for this state in particular, if they prosper in attempting to rear the vine and the olive. Experience has abundantly demonstrated, that the great bulk of American farmers are little disposed to speculative agriculture.— They much prefer to fix their attention, upon what is called in the language of the country, ‘the main stay,’ corn, cotton, tobacco, beef and pork. Along the southern limits of the state the soil is thin, and the unvarying verdure of the pine, beautiful as it is in itself, tires by its uniformity. On the head waters of the Escambia and Conecuh, it is affirmed, the soil and climate are favorable to the sugar cane; and here are seen those groves of orange trees, of which travellers have spoken with so much delight, affirm-

ing them to be indigineous. They were, beyond question, the growth of seeds scattered from orange groves, originally cultivated by Spaniards in Florida.

In the lower parts of the state, as we approach Florida, the swamps become more and more extensive. Cypress lands are abundant. On the alluvial grounds, which are not inundated, is large and rank cane. Below the Tombeckbee, the river is apt to inundate the bottoms and swamps, and where this is the case, it is well known, that in southern regions the musquitos are excessively annoying. As we ascend into the central parts of the state, the lands become high and broken, and pine is less frequent. Oak, hickory and poplar become the prevailing growth.

The most extensive bodies of good lands and those, which are at present most populous, are between the Alabama and Tombeckbee, the bottoms of the Tallapoosa and the Black Warrior. Passing over the ridge, that separates the waters of the Conecuh from those of the Alabama, there is an extensive body of rich land. On the head waters of Lime Stone creek, there is also a fine body of land. A considerable distance above the junction of the Coosa and Tallapoosa, there is a country of fine swells of land, watered with frequent springs of pure water. The land is heavily timbered with those kinds of trees, that indicate a rich soil.— It is inhabited by the Creek Indians.

Character of the population. This state was originally a part of the Mississippi territory. It has acquired population with great rapidity, and already far exceeds in numbers the state, from which it was taken. Few states have had so great an increase. This was owing in part to its contiguity to Georgia, and its proximity to the Carolinas; and its having fresh and very fertile lands, and yet being in other respects, as regards soil, climate, situation, &c., very similar to those states. Immigrants from the land of pine

and cypress forests, love to see these trees in the new regions, to which they transplant themselves. Public opinion had estimated this country, as more than commonly healthy, for its climate. That part of it, lying south of the Tennessee ridge, has great facilities of communication with the sea. The southern planters ordinarily do not covet a country, which admits a very dense population. They love space, in which to move themselves. They prefer those extensive pine barrens, in which there is such inexhaustible range for cattle, and which will not, for a long time, admit a dense population. At the same time, they desire at intervals rich alluvial soils of thick cane brake, the proper soil for cotton. Alabama furnished them, in these respects, all that they could wish. It was much healthier, than the maritime parts of the Carolinas; and at the same time had a soil better adapted to cotton. This may account for the great immigration from the Carolinas and Georgia, and for that surprising increase in the population, which we have already noted in the table of civil divisions.

The people in this state have a general character for order, quietness, a regard for religion, schools, and social and moral institutions; more decided than could have been expected, taking into view the recent origin of the state.— They speak, and think of themselves, in reference to the states further south and west, with no small degree of assumption in the comparison. There are many opulent planters with large numbers of slaves; and they possess the characteristic hospitality of these people every where. They have not formed a character, as a state. They have few religious, literary or other institutions. But we may safely affirm, that they are developing a character, which will lead to respectable and numerous foundations of that kind. Travellers, who have penetrated the country, have been favorably impressed with the general characteristics

of hospitality, quietness and good order, which they generally witnessed. The people begin to be alive to the vital interests of schools and education. The usual appropriations of lands for colleges and schools have been made by congress for this state. From the comparatively high price of lands in this state, these appropriations must ultimately constitute a respectable fund.

Climate. The climate of this state, taken together, is favorable to health, compared with the southern country generally in the same parallels. The lower part of it is constantly fanned, during the summer heats, by the trade wind breezes. There can hardly be said to be such a season as winter, and yet the summers are not hotter, than they are many degrees more to the north. The duration of the summer heats is indeed debilitating, and the direct rays of the summer's sun oppressive. But strangers from the north are heard to say, that in the shade, and in the current of air, they seldom suffer from the heat. In the northern parts of the state still waters often freeze. In the southern parts they seldom see much snow or ice. Cattle require no shelter during the winter. Maize is planted early in March. In the 31st degree of latitude the thermometer stands in spring water at 60° which is nearly the mean temperature of the year. A series of thermometrical operations for a year give the following result. The warmest part of the warmest day in April gave 82°.—Mean heat of July of the same year 86°. Coldest day in January 55°. Coldest day in February 43°. Warmest day in March 86°. Same year the trees in the swamps, where vegetation is most tardy, were in full leaf the 2d of April; peach blossoms gone; April 12th peas in pod; peaches of the size of a hazlenut; fig trees in leaf; green peas at table, May 2d; strawberries ripe; May 16th mul-

berries, dewberries, and whortleberries ripe; May 15th cucumbers in perfection; June 29th roasting corn at table.

Diseases. In point of health this climate every where takes its character from situation and local circumstances. The prevailing diseases of the cooler months are those of the class termed cachexy. The diseases of the warm months are generally bilious. Where the powerful southern sun brings the swamp miasmata into action, diseases seem to follow of course, and none but negroes, and those acclimated, can safely reside in the low grounds on the banks of the rivers, and near the inundated swamps.—The yellow fever has seldom been seen, except in Mobile. In the high land regions, far from swamps, creeks and stagnant waters, in the regions of hills and springs, and pine forests, the country may be pronounced salubrious, and the planters from the sickly regions generally retire to such places, to spend the summer.

Employment of the people. Cotton is the grand staple of Alabama. The growing of this article has increased in this state in a ratio even greater, than that of the population. Among the cotton raising states, this now takes a very high rank. Sugar, rice and tobacco are also cultivated. Many of the people about Mobile are shepherds, and have droves of cattle, numbering from 500 to 1,000. Hogs are raised with great ease, where they can be guarded from their enemies, wolves, panthers and alligators. The small breed of Indian horses, or Spanish tackies, as they are called, are ugly, but hardy and strong, and are better than the handsomer horses for service. The country trade of the lower part of Alabama is to Mobile, Blakely and Pensacola. Considerable amounts of pitch, tar, turpentine and lumber are exported. The cotton used to be carried to New Orleans. Mobile has become a port of great export for cotton. This country, so near Havana, has

great advantages for navigation. Sea vessels proceed up the Alabama to a considerable distance. The northern parts of Alabama, situated in the Tennessee valley, are compelled to send their produce by a very circuitous route, down the Tennessee, the Ohio and Mississippi, where it arrives, after a passage of 1,600 miles. At starting, it can not be more than five hundred miles from the gulf. There is little hazard in asserting, that the intelligent and opulent people, in the beautiful and fertile valley of the Tennessee, will canal the ridges, that rise between them and the waters of the Alabama, and will unite themselves with the gulf by that fine river.

Chief Towns. Mobile is at present the only town of any great importance in the lower part of the state. It lies on the west side of Mobile bay on an elevated plain, in latitude $30^{\circ} 40'$. It is situated considerably above the overflow of the river, in a dry and pleasant situation. Access to the town is rendered somewhat difficult to vessels by a swampy island opposite the town. But when once they have entered, they are perfectly secure from winds, storms and enemies; and they can come directly to the town. It has, moreover, swampy lands and stagnant waters back of it, and near it is a sterile country of pine woods. From these causes, and perhaps others, though it had been one of the earliest settled towns in the country, it never became, under the Spanish and French regime, more than a military post. Since it came under the government of the United States, in common with other towns similarly situated, it has received a new impulse of prosperity. It is but a few years, since but little cotton was raised in the whole country connected with Mobile; and none was exported directly from that place. It is now a great shipping port for cotton; and a large number of square rigged vessels take their freight from this city. There is no other port, perhaps, in

the United States of the same size, that has so large an amount of export. After New Orleans and Charleston, it is believed to be the largest cotton port in the country. It is enlivened, too, by the coming and departing of many steam boats, that ply on the noble river above the city. In addition to the great number of packet schooners, that sail between this place and New Orleans, some by the lake, and some by the Mississippi, there is now a steam boat communication between the two cities, by the way of lake Pontchartrain. Of course, except during the sickly months, it is a place of great activity and business.

This city has a great many ancient and decaying houses; but the American part of the town has been recently and handsomely built of brick, and the town is in the form of a parallelogram. There are few public buildings, and the institutions, that spring from social and municipal feeling, are yet in their infancy. It is supposed to contain 5,000 inhabitants. It has been almost destroyed by a destructive fire. The most fatal impediment to the advancement of this town is its acknowledged character for sickliness. Advantage has been taken of this circumstance, to commence the town of Blakely, on the eastern and opposite side of the bay, and at ten miles distance. The site is free from contiguous swamps. It stands on the Tensa, the largest branch of the Mobile, which yields deeper water, and has a harbor of easier access, than Mobile. The situation is open, high and dry, and it has cool and limpid springs of water, and superior advantages of communication with the country by good roads. It has improved considerably, and its founders were sanguine, that it would speedily eclipse Mobile. But that ancient town had, what is called in the west country phrase, 'the start,' and sustains its pre-eminence, as a commercial depot, notwithstanding its frequent and destructive ravages from yellow fever and fires.

St. Stephens is on the Tombeckbee 120 miles from Mobile, and at the head of schooner navigation. It is a considerable village with stone houses; but, notwithstanding a favorable position in the midst of a fine country, wears the aspect of decay.

Cahawba has been, until recently, the political metropolis, and is situated at the junction of the Cahawba with the Alabama. County courts are held here, and an office for the sale of public lands. The circumstance of its having been the metropolis has given it a rapid growth. It has a considerable number of handsome buildings, intermixed, according to the common fashion of these new towns, with a great many temporary log buildings. Florida, Claiborne, Dumas, Jackson, Coffeeville, Demopolis, and Columbia are incipient, and some of them thriving villages, at different points on the Alabama and Tombeckbee.

Tuscaloosa at the falls of the Black Warrior is permanently fixed, as the political metropolis, and is a village of rapid growth. It is but a few years, since its foundation, and it has at present the aspect of a considerable town; and to one, who had seen its site, but a short time since an unbroken forest, it has the aspect of having sprung up in a night. Thirty miles higher on the same river is Kelleysville, a thriving village. Eagleville is principally inhabited by French emigrants, who calculated to cultivate the olive and the vine. These are all towns situated on the great glacis, that slopes towards the gulf of Mexico, and communicate with Mobile, as their maritime port.

The beautiful and fertile valley of Tennessee has a very different conformation, and its communications, by a long and circuitous route, are with the Mississippi and New Orleans. This valley has a number of large and flourishing villages of its own. The largest of these is Huntsville, a handsome and thriving town, situated ten or fifteen miles

north of the Tennessee, and fifty from the Muscle Shoals. The country about it is extremely fertile. It is principally built of brick, with some spacious, and very handsome buildings, a presbyterian church, a baptist and two methodist places of worship, a handsome court house, and other public buildings. One of these large and beautiful springs, that are so common in this region, furnishes the town with water by machinery put in motion by its own current.

Florence is the next town in point of size, and in a commercial view more important, than the other. It is situated on the north side of the Tennessee, at the foot of the Muscle Shoals. When the river is in a good stage of water, steam boats of the largest size can come up to this place. It has in this way a great and increasing intercourse with New Orleans. It has about 1,400 inhabitants, a very handsome court house, and a hotel in city style. It has also a presbyterian church.

Tuscumbia is the next place in size and importance. It is situated on the south side of the river near a mile from its banks, and five miles from Florence. It has several handsome buildings and a thousand inhabitants. Russellville is also a new town of some importance.

A considerable degree of munificence has been manifested by the people of this state, in their appropriations for roads, bridges, canals and other works of public utility.—Five per cent, of the net proceeds of all the sales of public lands in the state has been provided for these objects.—General Jackson's military road, between lake Ponchartrain and Florence in this state, runs almost in a right line 330 miles. If fully completed, and if kept in good repair, it would be of the greatest national utility. In this age of canalling, Alabama has caught the spirit, and there are two or three in contemplation. There is no point, where one

seems more to be called for, than between the waters of the Tennessee and Alabama.

Constitution and Laws. They have the common features of those of the other states. The legislative body is styled 'the assembly.' The senators are elected for a triennial, and the representatives for an annual term. The governor serves two years, and is eligible only four years out of six. The judiciary consists of a supreme and circuit court, together with subordinate courts appointed by the legislature. The judges are appointed by the legislature, and hold their offices during good behaviour. All persons over twenty-one years, and citizens of the United States are electors.

MISSISSIPPI.

This state is not far from 300 miles in average length, and 100 in average breadth. Between 30° and 36° N. latitude; and 11° and 14° W. longitude from Washington.— It contains 28,000,000 acres. Bounded on the North by Tennessee; East by Alabama; South by the gulf of Mexico and Louisiana; West by Louisiana and the Mississippi.

Face of the country. There are a number of distinct ranges of hills, of moderate elevation, in this state, beside a singular succession of eminences, that show themselves conspicuously, in descending the Mississippi. Some of the bases of these hills are washed by this river. They are the Walnut Hills, Grand Gulf, Natchez, White Cliffs, and Loftus' Heights. In other places, they appear near the river, or in the distance, as at Petite Gulf, Villa Gaysa and Pine Ridge. Two of these ranges of hills divide the state nearly in its whole extent, and separate it into sectional divisions. In advancing from the bottoms of the Mississippi, there is every where, at a greater, or less distance from the river, an appearance of bluffs, which, when mounted, spread out into a kind of table surface, waving pleasantly; but in many instances, the richest table lands have precipitous benches, which expose the land, to what is technically called by the agriculturists, 'washing.' This is a misfortune, to which the richest lands in this state are most subjected.

Pine Ridge is, from various circumstances, a singular elevation. It approaches within a mile of the Mississippi. It is a high belt of pine land, like an island in the midst of surrounding rich land, timbered with hard woods. We know of no pine so near the Mississippi, except in one place, in the county of Cape Girardeau in Missouri, for a distance of 1,700 miles. In the northern section of the state, inhabited by the Cherokees, and Chactaws, the land rises into regular and pleasant undulations. The soil is deep, black, and rich, presenting in a state of nature the singular appearance of hills covered with high cane brake.—From their precipitous character, these fertile and pleasant hills are subject to the general inconvenience of washing. The country, inhabited by the Chickasaws, north-west of the Yazoo, is also of a surface, charmingly variegated with swells, and valleys of great fertility, and abounding in fine springs. Just below the north-east corner of the state, one of the most conspicuous objects on the lower Mississippi is the bluff, which used to be called fort Pickering, now named Memphis. It is a fine, commanding elevation rising more than 100 feet above the level of the river. At the lowest stages of the water, strata of stone coal are disclosed in the bank. On this elevated summit a town is laid out, in a position, which seems favorable to the growth of a town. Opposite, in Arkansas, is the uncommonly high, rich and extensive bottom of Wappanocka. Back of the town is a fertile, rolling country, heavily timbered, and abounding in springs. Many of the former inhabitants of fort Pickering were of mixed blood. The Chickasaws inhabit near the town. The bluff extends between three and four leagues above and below the town, and here is the great road of crossing from Tennessee and Alabama to Arkansas.

The White Cliffs are just below Catharine's creek.— Loftus' Heights are a few miles lower on the river. They are 150 feet high. In the strata of this hill are seen the last stones, that are discovered on descending the Mississippi. They are visible only in low stages of water. They are of the class, commonly called *breccia*, cemented with pebbles and other matters into a mass, apparently of recent formation. There is, probably, no state in the union, and few countries in the world of a more pleasantly diversified surface, more happily distributed into hills and valleys, than the surface of this state.

Rivers. The Mississippi washes the western shore of this state for a distance, following its meanders, of nearly 700 miles. The right line of the Mississippi shore is less than half that distance. But the river is here remarkably circuitous, often curving round seven or eight leagues, and almost returning back on its course. The greater part of this long line of river coast, unfortunately, is inundated swamps, very thinly inhabited, except by wood cutters for the steam boats, and seldom seen by any other, than people travelling on the river. There is, here and there, a position so high, as to be capable of being occupied, as a plantation. But these uncommon elevations soon slope back to the cypress swamps.

The Yazoo is the most considerable river, whose course is wholly in this state. It rises in the Chickasaw country, in latitude $34^{\circ} 28'$, near the limits of Tennessee, and its head waters almost communicate with those of Tombigbee. From its source it runs a north-west course, receiving the Busha Yalo, the Tallahatchee, Lappataba, Buffalo creek, and a number of less considerable streams, and by a mouth 100 yards wide, falls into the Mississippi, twelve miles above the Walnut hills. Its course is through a high, pleasant and salubrious country, chiefly however, claimed

and inhabited by Indians. They inhabit the country, by the course of the river 150 miles from its mouth. It is generally boatable by large boats fifty miles; and in the higher stages of the water, to the Busha Yalo, the missionary station. There is fine building stone on this river, in positions favorable for conveyance to New Orleans, being the nearest to that city of any on the waters of the Mississippi. It is 'backed up,' as the phrase is, by the Mississippi, in high stages of water, or inundated by its own rise, for a number of miles from its mouth. Twelve miles above its mouth are the Yazoo hills, and four miles higher the site of fort St. Peter, where was an ancient French settlement, destroyed, in 1729, by the Yazoo Indians, a nation, which, in its turn, has long since been extinct. On this river and the country which it waters, was laid the scene of the famous Yazoo speculation, which will be long and bitterly remembered by certain unfortunate speculators; and forgotten, as soon as may be, by certain corporate bodies, concerned in the sale. Big Black, or Lousa Chitto, forty yards wide at its mouth, enters the Mississippi, just above the Grand Gulf. Measuring its meanders, it has a course of 200 miles. It rises between the head waters of the Yazoo and Pearl rivers, and interlocks with boatable waters of the latter stream. It is navigable, in moderate stages of the water, fifty miles.—The hills of this river approach near the Mississippi. At some distance up this river, where the high lands appear upon both sides, some New England adventurers, headed by general Putnam, selected a place for a town. It was in 1773, when this region was supposed to appertain to West Florida. The soil is fine. The situation is eligible. There is stone for building; and the place seems to have been judiciously selected. Homochitto is a large stream, having half the comparative distance of Big Black. It meanders in a south-west course to the Mississippi. It is formed by

two principal forks. A few miles, before it enters the Mississippi, it passes through a lake. It traverses a fertile and well settled country of opulent planters. Like the Yazoo, it is inundated for a long distance above its mouth.

Bayou Pierre, Cole's creek, Fairchild's creek, and St. Catharine's creek enter the Mississippi in succession below Big Black. They have short courses, but generally a fine soil adjacent to their waters. On Bayou Pierre is the important settlement and village of Gibson Port. Buffalo creek enters the Mississippi a little above the heights of fort Adams. Here, at Loftus' Heights, commences a chain of hills, which stretches north-eastwardly from the Mississippi, and separates the waters of Bogue Chitto and Amite from those of Homochitto and Buffalo. On the southern side of these ridges, the waters flow into the Amite and lake Ponchartrain, and on the northern into the Mississippi.

The Amite meanders from its source in these hills to the Iberville, or Bayou Manshac, an efflux of the Mississippi. The Amite unites with this Bayou, forty miles above lake Maurepas. The Amite traverses a pleasant, productive, and well settled country, generally timbered with hard woods, and having fine springs.

Pearl river is next to the Yazoo, the most important river, that has its whole course in this state. It rises almost in the centre of the state, between the two parallel ranges of hills, that divide it into sections. A number of branches unite to form the main river, which is afterwards increased by the Chuncka, and other streams. It passes by Monticello and Jackson, and through a country generally fertile, healthy and pleasant, until it touches the eastern boundary of Louisiana, after which it receives the Bogue Lousa and the Bogue Chitto, and thence, running between this state and Louisiana, it enters the rigolets between lake Ponchartrain and lake Borgne. The lands, watered by it, are for the most

part fertile, though it sometimes traverses the sterile regions of pine woods. Some legislative efforts have been made, to improve the navigation of this stream, which derives importance, from its being one of the chief points of communication between this state, and the gulf of Mexico. The Pascagoula rises in latitude 33°, and preserves a course parallel to the Tombecbee. It has a course of 250 miles.—Vessels of considerable draught ascend it to Leaf river. It receives in its course a great number of tributary streams, of which Chickasaw, Leaf, Dog and Tacothamba are the principal. It has some fertile alluvions and hammock lands, but traverses, for the most part, a region of pine country, sterile, but well watered, healthy, and affording in its timber, and its conveniences for navigation, a compensation for its want of fertility. At its mouth, it broadens into an open bay, on which, at the town of its own name, is a retreat of resort for the inhabitants of New Orleans, during the sickly months.

Islands. Those of the Mississippi are low and inundated. The islands in the gulf, within six leagues of the front of the state, belong to it. They are eight, or nine in number, of which Ship and Horn islands are the chief.—They are generally sterile, and covered with pines and grass.

Climate. This state, excepting a small tract, which fronts upon the gulf, constitutes a belt lying between the wheat and the sugar cane regions, in other words the climate appropriate to cotton. This is the region, where, in the humid places, the long moss is seen attaching itself to the trees. The *Latamier*, or palmetto, in the brightness of its winter verdure, gives tropical features to the landscape.—Alligators are seen in the stagnant waters. The family of laurels begins to be more numerous; and the *Laurel Magnolia* shows itself among them. Southern shrubs and flowers to one, coming from the north, present the aspect of a

new climate. It is unfortunate for this state, that its western front, bordering on the Mississippi, is so much exposed to inundation; and that from the same circumstance most of the streams, that enter the Mississippi, are uninhabitable for some distance from their mouth. At present, in descending the river, the traveller looks in vain, along this very extended front, for the palpable evidences of the opulence, for which this state is so deservedly celebrated. He sees a few singular bluffs, rising in succession, sometimes at long intervals, from a dreary wilderness of inundated swamp. The river on this front, having much higher inundations, than lower down, it may be long, before the people here will levee the fertile alluvions, as they have done in the state below. But when it is done, an immense body of the most fertile soil will be redeemed from inundation; and the state will gain as much in salubrity, as in opulence. Even as it is, the greater portion of the surface of the state is waving hills, and the whole amount of inundated lands is less, than in either of the other southern divisions of this valley.

Compared with Louisiana, its waters have the same fishes, and in winter and spring the same varieties of water fowls, and birds of beautiful plumage and song; and its forests and prairies, for this state too, has its prairies, the same varieties of trees and flowering shrubs and plants, with very few exceptions, as that state, and they will of course be described under the head of that state. In health it has decidedly the advantage. In that state, most of the planters cultivate the deep river and bayou alluvions, and stagnant waters are more abundant. In this state, where the planters are fixed remote from stagnant waters, which, in such a southern climate, must always be more or less destructive to health, and have access to pure water, there is, perhaps, no part of the United States, where the inhabitants enjoy better health. The summers, indeed, are long, and

the heat sustained, and sometimes intense; and during the last of summer and first of autumn, the people in the healthy districts are subject to bilious attacks, sometimes slight, and sometimes severe. But in return, they are in a great measure free from pulmonary and catarrhal affections, which are so common and fatal in the more northern regions of the United States. From the centre of this state to its southern front, its climate compares pretty accurately with that of south Alabama, Georgia, the northern belt of Florida, and Louisiana. From October to June, no climate can be more delightful. It has, indeed, in winter a marked advantage over that of the regions just mentioned. It is somewhat less subject to the frequent and drenching rains of Florida and Louisiana. The people in general are healthy, and in travelling through the state, we see countenances tanned, and browned by frequent exposure to a southern sun; but at the same time indicating vigorous and cheerful health.

Indians. The principal tribes in this state are the Chactaws and Chickasaws. The numbers of the former tribe are rated at 20,000, and the latter at nearly 4,000. They are at present in a semi-savage state, and exhibit the interesting spectacle of a people, intermediate between the hunter's and the civilized state. A curious compound of character results from this order of things. Most of their ancient instincts and habits may still be traced amidst the changes, introduced by agriculture and municipal regulations. Many of them have good houses, slaves, enclosures and cattle. They have ploughs, looms and blacksmiths' shops in operation, and are beginning to acquaint themselves with the coarser mechanic arts. They are beginning also to adopt our laws and modes of judicature. An Indian, denominated squire and judge, becomes at once an important personage, and these titles answer instead of a

cocked hat, a red coat and a medal. The different religious denominations in the United States have made a great and persevering effort to convey to them the blessings of education and Christianity. The principal missionary station, under the patronage of the American board for foreign missions, in this state is at Elliot, on the Yalo Busha creek, 40 miles above its junction with the Yazoo, and 145 from the Walnut Hills on the Mississippi. There are a number of subordinate stations connected with this principal one. Each station constitutes a kind of religious family within itself, and has its minister, instructors, male and female, its farmer, or agricultural overseer, and its chief artizans. They are all supposed to be religious characters. Schools for the reception of Indian pupils constitute a main part of their plan, and on the wisest premises, they calculate, by showing in their own society an example of the influence of christian order and discipline, and by sedulous instruction of the children, to communicate education and the rudiments of Christianity at the same time, by precept and example; and by showing in their own well cultivated fields the best modes of agriculture, and by training their youthful pupils in the labors of the field, at once to inspire them with the requisite patience, industry and love of agriculture, to qualify them for commencing a new and an agricultural life. They witness a growing attention of the Indians to the municipal and christian modes of life in the increased number of their pupils, which, from the last reports, appear to be very considerable. They have large fields, good houses, mechanic shops, regular worship; and the praises of God and the Redeemer, in the sweet and cultivated strains of church music, resound in these ancient forests, instead of the war and death song of the savages. The plan and the whole system are entirely novel in the annals of christian exer-

tion. It is a kind of protestant monastic establishment, with modifications suited to the more practicable views of that church, and constitutes a most interesting and striking feature in the missionary exertions of the present day.— All good minds must be disposed to wish them every degree of success. They have a fine country of fertile soil, hills, springs, prairies, copses, beautiful scenery, a mild climate, and which has hitherto proved as salubrious, as they could have anticipated; and their prospects for the future are encouraging. They are to a certain degree patronised, and aided by the government of the United States.

Civil Divisions.

<i>Counties.</i>	<i>Whites.</i>	<i>Free Blacks.</i>	<i>Slaves.</i>	<i>All others.</i>	<i>Total.</i>
Adams,	2557	36	7299	0	9892
Natchez City,	1448	82	654	0	2184
Amite,	4006	14	2833	0	6853
Claiborne,	2840	36	3087	0	5963
Covington,	1824	0	406	0	2330
Franklin,	2277	9	1535	0	3821
Greene,	1063	2	380	0	1445
Hancock,	1148	131	321	0	1594
Jackson,	1390	61	321	0	1682
Jefferson,	3154	33	3635	0	6822
Lawrence,	3919	6	991	0	4916
Marion,	1884	0	1232	0	3116
Monroe,	2192	7	522	0	2721
Perry,	1539	7	491	0	2037
Pike,	3443	1	994	0	4438
Warren,	1401	5	1287	0	2693
Wilkinson,	3937	20	5761	0	9718
Wayne,	2250	8	1065	0	3323
	<hr/> 42,176 <hr/>	<hr/> 458 <hr/>	<hr/> 32,814 <hr/>	<hr/> 0 <hr/>	<hr/> 75,448 <hr/>

Agriculture and pursuits of the people. All the kinds of grains, fruits and vegetables, that can be cultivated in

Alabama, can also be grown here. The sugar cane has hitherto been attempted only on its southern frontier. The sweet orange is raised on the lower waters of Pascagoula and Pearl rivers. The live oak, too, is only seen in this part of the state. In the middle regions, figs, grapes of all sorts, tobacco, maize, sweet potatoes, rice, indigo, squashes, melons, plums, peaches and various other vegetables and fruits come to full perfection. The castor bean, or Palma Christi, and the benne plant are sometimes raised. In the high and midland regions, it is affirmed, that apples and pears arrive at tolerable perfection. This state, being on the southern verge of the medial climate, is a country, where a great variety of the articles of the north and the south may be expected to come to maturity.

Cotton is the grand staple, and grows in perfection in all parts of the state. It is, perhaps, too exclusively the object of thought, attention and cultivation. To hear how intimately the thoughts of the people are associated, directly or indirectly, with the culture and growth of cotton, one would suppose, that it was here considered, as almost the only article of much importance in the creation. In the early part of the season the conversation turns upon the point, how the crop stands; that is, whether it has germinated, and remained in a healthy and vigorous state? The next object of anxiety is, whether it takes, as the phrase is, 'the rot;' then about the favorableness of the season for picking; then the state of the gins, and the amount bailed.—The last and most interesting of all is the price, it is likely to bear. In the halcyon days, when cotton brought 28 and 30 cents per pound, there were planters, who had thirty and forty thousand dollars a year, as the income of their crop. In those times some of the planters secured independent fortunes, and many of them became affluent. Even at the

present very reduced prices, no planters in the United States have better incomes, in proportion to their capital and hands, than those of this state. The number of working hands on a plantation varies from 20 to 200. It is but recently, that the inhabitants have been much in habits of travelling out of their own state. They are for the most part a plain, simple, industrious, hospitable and respectable people, accustomed to a retired life in the interior of the country. They are generally, and honorably, with some few exceptions, kind and indulgent masters to their slaves. A few, who have acquired fortunes without much previous education, or refinement, and measuring their own knowledge, acquirements and importance only by their intercourse with their slaves, are astonished, when they go abroad to find, that there are other requisites, in order to be sought after, and introduced to the best circles, than the possession of money and slaves.

Attention to schools, religion, &c. The same appropriations for public works and for education are made in this state, as are in Alabama. The benefits of a common school education are not so extensively enjoyed in any of the southern states of this valley, as could be wished. The whole business is generally managed by subscription, and voluntary association. Where this is the case, and where there is no direct interference of the legislature, to compel the people to educate their children, many of the reckless and inconsiderate will allow them to grow up without any education. There are ample public funds for the endowment of schools; and there is a growing sense of the importance of schools on the public mind. A seminary, entitled 'Jefferson college,' is incorporated at Washington, near Natchez. It ranks with the minor academies of the Atlantic country. Another institution, called a college, is

incorporated at Shieldsborough, and there are flourishing public schools at Natchez, Woodville and Monticello.

Constitution. In every principal feature the same, as that of Alabama.

Chief Towns. We have mentioned Memphis, in the north-east angle of the state, on the site of fort Pickering. It has improved to a considerable degree, and from its fine position may ultimately justify the imposing name, which its sanguine founders have given it. Monticello, the capital of Lawrence county, and recently of the state, is a pleasant and flourishing village on the west bank of Pearl river. Gibson Port, at the head of navigation on Bayou Pierre, is situated in the centre of a rich country, and is a village of considerable importance. Greenville, Woodville and Winchester are flourishing villages. Shieldsborough is situated on the west side of the bay of St. Louis. It is swept by the cool breezes of the gulf, and, though it has not always been exempt from the ravages of yellow fever, is a famed resort for the inhabitants of New Orleans, during the sickly months.

Jackson, near the head of Pearl river, and on a site lately acquired from the Chactaw Indians, has been selected, as the permanent seat of government for the state. It is a central, healthy and pleasant position, and the circumstance of its being the political metropolis, will soon cause it to become a place of importance.

Warrenton, below the Walnut Hills, is a considerable village on the banks of the Mississippi, from which are exported large quantities of cotton. Vicksburgh, just below the commencement of the Walnut Hills, is one of the many towns in the western country, which have been the growth of but a few years. It is not more than five, or six years old, and it is now a considerable village, with great num-

bers of stores, lawyers and physicians. It has a printing press and a journal. Many boats are always lying in the harbor, and it sends off a great amount of cotton. Steam boats regularly ply between this place and New Orleans. It is a most singular position for a town, on the shelving declivity of high hills, and the houses are scattered in groups on the terraces.

Natchez is by far the largest town in the state, and is incorporated, as a city. It is romantically situated on the east bank of the Mississippi, on a very high bluff, 280 miles above New Orleans. The river business is transacted at the division of the town, which is called 'under the hill,' a repulsive place, and unhappily, but too often the resort of all that is vile, from the upper and lower country. Great numbers of boats are always lying here, and the place is filled with boatmen, mulattos, houses of ill fame, and their wretched tenants, in short the refuse of the human race. There are, however, very respectable merchants resident 'under the hill.' The upper town is situated on the summit of a bluff, 300 feet above the common level of the river, from which there is a prospect of the cultivated margin of the Mississippi in Concordia, on the opposite shore; and the eye traverses the boundless and level surfaces of the cypress swamps beyond. On the eastern side, the country is waving, rich and beautiful; the eminences presenting open woods covered with grape vines, and here and there neat country houses. The town itself is quiet; the streets broad; some of the public buildings handsome, and the whole has the appearance of comfort and opulence. It is the principal town in this region for the shipment of cotton, with bales of which, at the proper season of the year, the streets are almost barricaded. Some opulent planters reside here, and there is a respectable and polished society.

The physicians and lawyers are distinguished in their profession, and there is no inconsiderable attention to literature. A very numerous population from the contiguous country makes its purchases here, and it is of course a place of great trade for its size. The people are noted for opulence and hospitality. From the heights in this city they show you the site of fort Rosalie, the scene of the wild, but splendid and affecting romance of Attala. There is a Presbyterian, an Episcopal, a Roman Catholic, a Baptist and Methodist church here, and the people show a great, and for the southern country, an uncommon attention to the ordinances of worship and religion. The court house makes a respectable appearance. Notwithstanding the cleanliness, the elevation, and the apparent purity of the atmosphere of this town, it has been often visited with yellow fever. To this circumstance it is undoubtedly owing, that its population does not advance, as might be expected from its beautiful position. It is supposed not to have much over 3,000 inhabitants. Steam boats are constantly coming to this place, or departing from it, and the arriving and departing gun is heard at all hours of the day and of the night; and as they are seen sweeping along the majestic river, they add greatly to the grandeur and interest of the scenery of this town.

History. The more interesting and important circumstances, in the early history of this state, have already been given under the general history of the valley. Near Natchez were the central villages of the interesting nation of the Natchez Indians, now extinct. Question about the territorial right to this region was long the apple of discord between the Spanish and the French, the Spanish and English, and between the government of the former, and that of the United States. Alabama was recently set off from

it, as an independent state. Greater part of the country originally belonged to the Chactaw Indians. Their title has been constantly extinguishing by purchased cessions of lands, so that the title to the greater part of the country has passed to the state. In 1817, Mississippi passed from a territorial government, and was admitted into the union of the states.

LOUISIANA.

LENGTH, 240 miles. Breadth, 210, containing 48,220 square miles. Between 29° and 33° N. latitude, and 12° and 17° 3' W. longitude. Bounded East by Mississippi state, and the gulf of Mexico, and by the river Mississippi from 31° to 33°, and thence by the parallel of 31° to Pearl river; thence by that stream to its mouth; South by the gulf of Mexico; West by the river Sabine, which separates it from the Mexican States, and following that river to the parallel of 32°, thence due north to 33°, thence due east to the Mississippi.

Civil Divisions.

<i>Counties.</i>	<i>Whites.</i>	<i>F. Blacks.</i>	<i>Slaves.</i>	<i>All others.</i>	<i>Total.</i>
Ascension, (parish,)	1495	104	2129	0	3728
Assumption, (do.)	2409	18	1149	0	3576
Attakapas, (county,)	5862	494	5707	0	12,063
Avoyelles, (parish,)	1438	25	782	0	2245
Baton Rouge, (east,) (do.)	2600	132	2076	412	5220
Baton Rouge, (west,) (do.)	908	124	1303	0	2335
Concordia, (do.)	827	12	1787	0	2626
Ibberville, (do.)	2019	116	2279	0	4414
Lafourche, (interior,) (do.)	2652	128	968	7	3755
Natchitoches, (county,)	4745	415	2326	0	7486
New Feliciana, (parish,)	5434	69	7164	65	12,732
NEW ORLEANS, (city,)	13,584	6237	7355	0	27,176
New Orleans, (parish,)	5660	924	7591	0	14,175
Ocatahoula, (parish,)	1524	12	751	0	2287
Opelousas, (county)	5368	766	3951	0	10,085
Plaquemine, (parish,)	637	151	1566	0	2354

LOUISIANA.

513

Point Coupee, (county,)	1082	190	3830	0	4912
Rapides, (parish,)	2491	85	3489	0	6065
St. Bernard, (do.)	667	45	1923	0	2635
St. Charles, (do.)	727	148	2987	0	3862
St. Helena, (do.)	2164	32	830	0	3026
St. James, (do.)	2522	52	3086	0	5686
St. John Baptiste, (do.)	1532	113	2209	0	3854
St. Tammany, (do.)	1063	39	631	0	1723
Washington, (do.)	1957	1	559	0	2517
Washita, (do.)	2016	44	836	0	2609
	<hr/> 73,443	<hr/> 10,476	<hr/> 69,064	<hr/> 484	<hr/> 153,407

In 1785, what is now the state of Louisiana, contained under the Spanish government 27,283 inhabitants. In 1810, it being then the territory of Orleans under the American government, it contained 75,556, of which 34,660 were slaves. In 1820, according to the amount given in the table. This shows a very rapid increase in population. It nearly tripled in 17 years, preceding 1810. It more than doubled between 1810 and 1820. Extraordinary as this ratio of increase is, it is by no means in proportion to that of many other of the western states; nor can we expect a proportionate increase between this and the approaching census of 1830. No state in the union has more fertile land. No state can compare with it in the richness of its agriculture. It can never admit of a very dense population, until the inundation of its rivers shall have been prevented, its swamps drained, and its lands in such demand, as to have its prairies and pine woods brought into cultivation. It has, however, sugar and cotton lands of the best quality, still unoccupied, sufficient to admit a population of triple its present amount.

The question, why the state, which has waste lands, as fertile as any in the western country, an agriculture unquestionably the richest, and unrivalled advantages of ac-

cess to the sea, and of internal water communications, does not people faster, may be answered by the assignment of various causes. The country has universally in the upper country, and at the north, the reputation of being sickly, by impressions founded in exaggerated reports, not at all warranted by facts. New Orleans has been repeatedly desolated; it is true, by the yellow fever; and public opinion abroad has, probably, identified the sickness of the whole country with that of that city. It can not be denied, that there are parts of this state, which are intrinsically sickly; that there is much land, and that of the richest and most productive character, in the immediate vicinity of immense marshes, lakes and stagnant waters, the contiguity of which must necessarily be noxious to health and life. Neither can it be denied, that a country, which has such an undue proportion of slaves is unfavorably situated for advancing in population, from a great variety of causes, which our limits will not allow us to give in detail. Another impediment may be found in the difficulty of adjusting the numerous and conflicting land claims. It has thus happened, that neither the claimants, nor congress could bring them into market for want of adjustment. Large claims to the finest portions of land in the state have not yet been adjudicated by Congress; and purchasers have not felt secure in the titles of the claimants. A country, too, settled by large and opulent planters, is from that cause unfavorably situated for increase in population. It is discouraging to a freeholder, with his naked hands, or a small force, to sit down beside a planter with an hundred working hands. It is very natural, that the 'petit paysan' should think, that he sees contempt in the deportment of his wealthy neighbor towards him. But notwithstanding all these adverse circumstances, this state is making, and from the nature of its agriculture, must continue to make steady advances in population.

Face of the country; soil, &c. Three quarters of this state are without an elevation, that can properly be called a hill. The pine woods generally have a surface of a very particular character, rising into fine swells, with table surfaces on the summit, and valleys from thirty to forty feet deep. But they are without any particular range, and like the waves of a high and regular sea. The alluvial soil of course is level, and the swamps, which are only inundated alluvions, are dead flats. The vast prairies which constitute a large portion of the surface of the state, have, in a remarkable degree, all the distinctive marks of prairies. To the eye they seem as level, as the still surface of a lake. They are, for the most part, higher and dryer, than the savannas of Florida. A range of hills commences in gentle elevations in Opelousas, rises gradually, and diverges towards the Sabine. In the vicinity of Natchitoches it preserves a distance, intermediate between the Sabine and Red river, and continues to increase in elevation to the western parts of the state. Seen from the pine hills above Natchitoches, they have in the distance, the blue outline, and the general aspect of a range of mountains. Another line of hills, not far from Alexandria, commences on the north side of Red river, and separating between the waters of that river and Dugdemony, unites with another line of singular shaped mamelle hills, that bound the alluvions of the Washita, as bluffs, gradually diverging from that river, as they pass beyond the western limits of the state. That very remote part of the parish of Natchitoches, called Allen's settlement, is a high and rolling country. There are also considerable hills beyond the Mississippi alluvions, east of that river. But, generally speaking, Louisiana may be considered, as one immense plain, divided, as respects its surface, into pine woods, prairies, alluvions, swamps, and hickory and oak lands.

The pine woods, as we have remarked, are generally rolling; sometimes, but not often level. They have almost invariably a poor soil, sufficiently described in our account of Florida and Alabama. They possess the same character here, except, that creeks are more common, with more extensive and somewhat richer bottoms; and there is, perhaps, a greater proportion of laurels, oaks and hickories among the pines. The greater proportion of the prairies is second rate land. Some of those west of Opelousas, and between Washita and Red river are even sterile. Some parts of the prairies of Opelousas are of great fertility, and those of Attakapas still more so. As a general fact, they are more level, than those of the upper country. A large belt of these prairies near the gulf is low, marshy, and in rainy weather inundated. A very considerable extent of them has a cold clayey soil, with a hard pan near the surface. In other places the soil is of inky blackness, and disposed in the hot and dry season to crack in fissures, of a size to admit a man's arm.

The bottoms are generally rich, but in very different degrees. Those of the Mississippi, and Red river, and the bayous connected with those streams, are more fertile, and productive, than the streams west of them, and between them and the Sabine. The fertility of the richer bottoms of the Mississippi and Red river is sufficiently attested by the prodigious growth of the timber, the luxuriance, size and rankness of the cane, and the cotton, the tangle of vines and creepers, the astonishing size of the weeds, and the strength of vegetation in general. We have measured a fig tree, and a sumach, both ordinarily considered as shrubs, which were larger, than a man's body. The richness of the articles of cultivation is sufficiently well known. The cotton on fresh lands of the richest quality, grows to the size of a considerable shrub.

The districts of Louisiana, which have the richest soils, are the following:—1st. The island of New Orleans. This is so denominated in geography, and correctly; though of the multitudes of people, who have visited New Orleans, not one in a thousand has seen the proofs of its being an island. Not far below Baton Rouge, a bayou, or efflux, called Manshac, or Ibberville makes out from the Mississippi, which, in its course receives other waters, until, swollen to a considerable river, it falls into lake Maurepas. That again is connected by a narrow gorge with lake Ponchartrain, and that by the rigolets with lake Borgne and the gulf. The Mississippi insulates it on the other side. Consequently, the island of New Orleans is a narrow strip of land, stretching between this range of lakes and the river. About one third of the average width of this strip is under cultivation. The other two thirds are swamp. Its front is the eastern bank of the Mississippi; and its rear is this bayou and this line of lakes. The bayou Manshac, which completes the insular character of this tract, is narrow, and is seldom seen by persons descending the Mississippi.—This tract is the finest part of that rich country, which is called the *coast*. The *coast* is that part of the bottom of the Mississippi, which commences with the first cultivation above the Balize, that is to say, about forty miles below New Orleans and one hundred and fifty above. This belt on each side of the river is secured by an embankment, called a levee from six to eight feet in height, and sufficiently broad, for the most part, to furnish a fine high way.—The river in ordinary inundations would cover the greater part of this belt from two to six feet in depth. It is from one to two miles in width, and perhaps a richer tract of land of the same extent can not be found on the globe. The levee extends something higher on the west, than on the east side of the river. Above the levee on the east bank of

the river are the parishes of Baton Rouge, and East and West Feliciana. The latter parish received its name from its pleasant surface of fertile hills and valleys, and its union of desirable circumstances for a planting country. This parish presents a spectacle, very uncommon in this country, hills, that are covered with laurels, and forest trees, that denote the richest soil, and which are uncommonly fertile. Here are some of the richest planters and best plantations in the state. The mouth of Bayou Sarah, the point of shipment for this region, sends great quantities of cotton to New Orleans. Some of the plantations on this Bayou have from five to eight hundred acres under cultivation, worked by a large number of hands.

West of the Mississippi, the Bayous Lafourche and Plaquemine, effluxes, or outlets from the Mississippi, have the same conformation of banks, and the same qualities of soil with the parent stream; and, where not inundated, are equally fertile. The sugar cane thrives as well upon their banks. No inconsiderable portion of Attakapas is of great fertility, as are smaller portions of Opelousas, which is, however, more generally adapted to become a grazing country. The Teche, which meanders through Opelousas and Attakapas has generally a very fertile alluvion, the lower courses of which are embellished with fine plantations of the sugar cane. On the Atchafalaya the lands are rich, but too generally inundated. The Courtableau, running through Opelousas, has probably as rich a soil, as is to be found in that parish. Approaching Red river from Opelousas, by Bayou Boeuf, we find on that bayou a soil, which some consider the richest cotton land in Louisiana. Bayou Rouge has also a fine soil, though it is as yet principally in a state of nature. Bayou Robert, still nearer to Red river, is of extraordinary fertility, and the cane brake along its bank is of astonishing luxuriance. Bayou Rap-

ids, which gives name to the parish, through which it runs, is a beautiful tract of land; and the belt on either bank is laid out along its whole course in fine cotton plantations.

The bottoms of Red river itself are well known, as having a soil of extraordinary fertility; and the lower courses of this river constitute the paradise of cotton planters. The color of the soil is of a darkish red, and appears to derive its great fertility from a portion of salt intimately mixed with it, and from its peculiar friability. It derives its red color from red oxide of iron. It is a wide and deep valley, covered, while in a state of nature, with a dark and heavy forest. Its soil has been accumulating for unknown ages from the spoils of the Mexican mountains, and the vast prairies, through which it rolls in its upper courses. All the bayous of Red river, and they are numerous almost beyond computation, partake of the character of the main river.

The parish of Natchitoches has its plantations on the banks of Red river, and its divisions; for the river runs in this parish for a considerable distance in three parallel divisions; and on the bayous of the river. A vast body of rich alluvial lands, on the river above Natchitoches, is yet covered by unadjudicated claims, or belongs to the United States. The lands on the Washita are black, like those on the Mississippi. The alluvions on the lower courses of this river, furnish an admirable soil for cotton, and all articles, that require the same climate. The finest lands on this river are covered by the unadjudicated claims of the Baron de Bastrop, Maison Rouge, and Winter. These claims are of great extent; and the lands, generally of the first rate quality. These are the points in Louisiana most noted for possessing first rate lands. But in this level region, wholly free from mountains, and precipitous hills, and sterile heaths, there occur even in the pine woods, and

the poorest prairies, tracts, that in other parts of the United States would be called comparatively fertile.

Agriculture and productions. Wheat and rye, which have been generally enumerated, as articles raised in Louisiana, do not flourish here. The culture of these grains has been attempted, and it is said with success, in Allen's settlement in the north-west angle of the state. But in general the stalks grow too rapidly, and lodge, before they come to maturity. Barley and oats succeed well.—The latter are generally mowed for fodder at the latter end of April. Maize grows luxuriantly on the alluvions and rich lands. But although this fine crop has a wonderful luxuriance of growth, it is more congenial to the climates of Kentucky, Ohio, Missouri, and Illinois, or the cooler climates of the middle states. In the south it grows with such rapidity, and is pushed forward so fast by the soil and climate, that it does not rear a stalk of equal size and firmness, with that attained in the former climates.—Nevertheless, fifty, sixty, and even seventy bushels to the acre are not uncommon crops. Forty-five bushels may be assumed, as the medium crop of the maize lands in this state.

The sweet potatoe, *convolvulus batatas*, in the sandy soils of this state attains its utmost perfection. We have seen one, which weighed nine pounds. They are of different species; but all extremely nutritive, and are raised with great ease and abundance. They are the favorite food of the blacks, and constitute an excellent nutriment for all classes. The Irish potatoe is raised with more difficulty, and is not cultivated, except for eating in the early part of the summer, and for some cause not yet explained, can not be preserved through the year.

The usual garden vegetables are cultivated in abundance; though some, as for instance, cabbages, do not grow

as fine, as at the north. The *Asparagus* is indifferent.— Onions do not grow the first year to any size. Small onions of the preceding year are placed in the ground for setts. The pumpkin and the melon tribe flourish in this climate. All the northern fruits come to perfection, with the exception of apples. The apple tree, as has been remarked, covers itself with blossoms and fruit, which, before it ripens, begins to show a black speck, rots, and falls. Figs of the different kinds grow in the greatest abundance, and from descriptions of the tree in the eastern continent, we should suppose, that it here attains its largest size. They might be raised, beyond a doubt in great abundance for exportation. All, that is necessary for raising this delicious fruit, is to put a slip of the tree in the ground. It is astonishing, that such a fruit, which grows almost spontaneously, is hardly raised, except on a few farms, even for summer eating.

Below Point Coupee on the coast, on the lower courses of the Teche, Lafourche, Plaquemine, and along the whole shore of the gulf, that is to say, in the region of the sugar cane, the orange tree, sweet and bitter, flourishes, and the fruit is of the finest quality. Previous to 1822, they were lying under the trees, as the apples do at the north. A severe frost that winter, destroyed the trees in this state quite to the ground. The roots have thrown out new trees, which are beginning again to be in a bearing state. The olive would undoubtedly flourish here. It is believed, that there are a few trees in bearing in the state. The cultivated vine, *vitis vinifera*, flourishes, and an abundance of fine fruit is offered in the markets. Wild grapes are the summer, winter, fox, muscadine and pine woods grape. Berries are neither so common, nor so good, as at the north. Persimons and pawpaws abound, and a variety of haws and wild fruits, some of which, as far as our knowledge extends, are undescribed.

It would, carry us beyond our object, to describe the wild and cultivated flowering shrubs, which flourish in this region of flowers. The cape jessamine, the althea and rose class are the most common. The multiflora is a running vine, which attains an inconceivable luxuriance. Two, or three summers only are necessary, completely to envelope a building with this grateful verdure, and these abundant flowers. China, catalpa, and sycamore are the most common ornamental trees. The abundance of mulberry trees seems to invite the making of silk, in a climate similar to those, where it is made in the greatest abundance in the old world.

Agriculture is in its infancy, and in a state of roughness adapted only to the labor of negroes, and has for its object only to obtain the greatest amount of the staple crop. A great number of rich fruits and valuable productions, congenial to such a soil and climate, have been entirely unattempted here. Experiments, except in regard to the selection of the best kinds of cotton, and the best mode of growing it, or the kind of cane, that is most productive, have not been commenced. One or two spirited individuals have recently attempted to awaken attention to the cultivation of the tea plant. Benne, which yields an oil, like that of olives, succeeds well. Indigo was formerly a prime object of attention with the planters. The cultivation has been of late in a great measure abandoned, either because less profitable, than the cotton crop used to be, or because it is a cultivation, deemed unhealthy and fatal to the hands. The rice is remarkably fair, and yields abundantly. There are great extents of land, favorable for the cultivation of the low land rice; and no limits can be assigned to the amount, that might be raised; but the grand staples being more profitable, little more is raised, than for home consumption, in a country, where an immense extent of

swamps might be profitably devoted to that article. The land brings tobacco of the finest quality. That, which is cultivated in the vicinity of Natchitoches, is said to equal that of Cuba. But the culture is not deemed so profitable, as that of the great staples.

The cotton, cultivated here, is an annual plant, growing in the rich lands more than six feet high, and the larger stalks of the size of a man's arm, throwing out a number of branches, on which form large and beautiful whitish yellow blossoms, much resembling those of the white holly oak. The leaf, too, is not unlike, that of that plant. A cotton field in flower is a most gaudy and brilliant spectacle. On the cups of the flower form balls, or cocoons, or as they are here called forms, in which grow three or four elliptical seeds, four times as large as a wheat kernel, and of an oily consistency. The cotton is the down, with which oily seeds are generally enveloped, in the mysterious operations of nature. The planting is from March to the middle of May, in drill rows, six feet apart. Much more is planted, than is expected to stand. It is thinned carefully, and ploughs in the form of scrapers, are used to scrape it out, as the phrase is. It is kept perfectly clean of weeds. In September the process of picking commences; and is renewed two or three times, as successive stages of forms ripen, and open. The weather admits of this operation with comfort to the hands, until the season calls for the clearing, and burning the old stalks, in order to commence ploughing for a new crop. This is one of its advantages, that it is a crop, which furnishes employment for the hands, during every period of the year. The cotton in the seed undergoes an operation, called ginning, by which the down is detached from the seeds, and blown away, while the seeds fall from it by their own weight. It is then packed in bales, which are pressed, and ready for exportation.

The kinds of cotton cultivated are Louisiana, green seed, or Tennessee, and recently Mexican cotton. The green seed is not of so fine a staple, but is less subject to the destructive malady, called the rot. The Mexican is both of a finer staple, yields more abundantly, and has not hitherto suffered from rot. It is getting into common adoption, and the importation of seed from Tampico and Vera Cruz is becoming a considerable business. Sea island cotton grows well on grounds, that have been exhausted by the continued cultivation of the other kinds. All the species exhaust the soil; and the seeds, which accumulate in prodigious quantities about the gins, furnish an admirable manure for the exhausted soil. The rot is a disease, from which the balls, that begin to form after flowering, moulder and fall. No series of properly conducted experiments has been made, to ascertain the causes, or to furnish the remedy against this disease. The causes are inexplicable from any thing, yet known upon the subject. In some seasons it is much severer than others. New lands are less subject to it, than old; and hitherto the Mexican least of all the species.

Sugar cane is a very rich and abundant article of the growth of Louisiana, raised chiefly on the coast, the shore of the gulf, the bayous, Teche, Lafourche, and Plaquemine, and some parts of Attakapas, south of 31°. It is propagated by laying cuttings or slips of the cane, horizontally in furrows in the latter part of February. The shoots start from eyes at the joints of the slip. When grown, it resembles the rankest broom corn, or perhaps more nearly Egyptian millet. At maturity it resembles, except the spikes or tassels, that species of maize, called at the north Carolina corn. When it is cut for the mill, or expressing the saccharine sap, they cut off something more than a foot from the top for slips for planting. The rows in the

rich lands are planted six feet apart. It requires the richest soil, the vegetable mould of which should be at least a foot deep. There are three, or four varieties, or species, as the African, the Otaheite, and the West Indian, and the Ribband cane. The Otaheite grows luxuriantly, and ripens considerably earlier, than the West Indian; but is said to contain saccharine matter, in comparison with the other, only as two to three. The Ribband cane is a new and beautiful species, so called from perpendicular and parallel stripes, that have on the stalk the appearance of ribbands. We have seen it of uncommon size and weight, and it is said to be highly charged with saccharine juice. Its grand advantage over the other kinds is, that it does not require so long a season for ripening, as either of the other kinds, by some weeks. It can, probably, be raised two degrees farther north, than any other kind, yet attempted. They are making trials of this cane in Opelousas, on Red river, and about Natchez. It is not unlikely, that it will naturalize to the climate, considerably north even of those points. Cane is understood to be productive in China, where the frost is much more severe, than in any places, where it has been attempted in this country. When the habits of plants, in undergoing the process of acclimation, are better understood, it may be, that this rich species of cultivation will be extended to points, where it has not yet been even in contemplation. The disadvantage of the Ribband cane is, that it has a harder rind, or bark, than the other kinds, and will require rollers, for grinding it, driven by steam power.

The sugar cane is a very hardy plant, not liable to the diseases either of indigo, or cotton. It is cultivated much in the same way with maize. It ripens, according to the season, it experiences. Rains retard, and drought accelerates its maturity. The abundance of the crop depends

upon the number of joints that ripen, before the frost, so as to have the proper saccharine juice to granulate to sugar. A slight frost favors that fermentation, which is necessary to the formation of sugar from the sap. A severe frost at once destroys the vegetation of the cane. The cane lies a short time, after it is cut, to favor this fermentation. It is then passed between two iron cylinders, by which the cane is crushed, and the sap forced out by expression. It flows into boilers, and the process is simply that of evaporation by boiling. The crop, while in growth, has great beauty of appearance. The sap is so rich in the stalk of the cane, as to have almost the gummy consistence of syrup, and sugar exists there as nearly in a concrete state, as it can be in solution. An acre properly tended will yield a hog-head of 1,200 pounds for a common crop.

It was formerly a question in this state, which was the most profitable crop, this, or cotton? From accurate tables, giving the number of hands, the amount of expenditures, and the average value of product from each, for a number of years in succession, it appears, that sugar was the most productive crop, even when cotton bore a much better price, than at present. The cultivation of the cane is diminishing in the islands. That of cotton seems to be every where increasing. There is a vast amount of sugar lands, not yet brought into cultivation. We do not, as yet grow by any means enough for our own consumption.—There seems to be every inducement, then, to extend this cultivation in Louisiana, and it is an omen for good, that the planters over all the state are turning their attention to this species of culture.

No cultivation in our country yields so rich a harvest.—But the work is admitted to be severe for the hands, requiring, after it is commenced, to be pushed night and day. It is deemed a more severe and wearing task to work this

crop, than that of cotton. It has been a general impression even in this state, where the true state of the case ought to be understood, that sugar could not be made to profit, unless the planter had a large force and capital, and could rear expensive sugar houses and machinery. This impression has hitherto deterred small planters from attempting to cultivate the cane. But it has been found by experience, that sugar can be made to profit with as small a capital, as is required for commencing a cotton plantation.

Such is a sketch of the agriculture, of Louisiana. It is the most productive agriculture, according to the number of hands employed, and acres worked, in the United States, or perhaps in the world. It is believed, that no country with the same population, exports of its own growth, articles of as much value, as Louisiana.

Slaves. As this state contains a greater number of slaves, in proportion to its population, than any other in the western country, we shall bring into one compass all the general remarks, which we shall make upon the aspect and character of slavery in the Mississippi valley. It will be seen, from the table of population, that considerable more than one half of the whole population of this state in 1820, was colored people, and nearly one half slaves. Formerly they did not increase in this state, and required importations from abroad, to keep up the number. But, since experience and humanity have dictated more rational and humane modes of managing the sick, and the children, by carrying them, during the sickly months, to the same places of healthy retirement, to which their masters retire, they are found to increase as rapidly here, as they do elsewhere. It is well known, that under favorable circumstances, they are more prolific, than the whites. Reflecting minds can not but view with apprehension the remote consequences of this order of things.

It is not among the objects of this work to discuss the moral character of slavery, or to contemplate the subject in any of its abstract bearings. We can pronounce, from what we consider a thorough knowledge of the subject, that the condition of the slaves here, the treatment, which they receive, and the character of their masters have been much misrepresented in the non-slave-holding states. We pretend to none, but historical knowledge of the state of things, which has existed here in past time. At present, we are persuaded, there are but few of those brutal and cruel masters, which the greater portion of the planters were formerly supposed to be. The masters now study popularity with their slaves. If there must be the odium of severity, it is thrown upon the overseer, who becomes a kind of scape goat, to bear away the offences of the master. There is now no part of the slave-holding country in the south-west, where it would not be a deep stain upon the moral character to be generally reputed a cruel master. In many plantations no punishment is inflicted, except after a trial by a jury, composed of the fellow servants of the party accused. Festivals, prizes and rewards are instituted, as stimulants to exertion, and compensations for superior accomplishment of labor. They are generally well fed, and clothed; and that not by an arbitrary award, which might vary with the feelings of the master; but by periodical apportionment, like the distributed rations of soldiers, of what has been experimented to be sufficient to render them comfortable. Considerable attention is paid to their quarters, and most of them are comfortably lodged, and housed.

Nor are they destitute, as has been supposed, of any legal protection, coming between them and the cupidity and cruelty of their masters. The 'code noir' of Louisiana is a curious collection of statutes, drawn partly from French and Spanish law and usage, and partly from the customs of

the islands, and usages, which have grown out of the peculiar circumstances of Louisiana, while a colony. It has the aspect, it must be admitted, of being formed rather for the advantage of the master, than for the servant, for it prescribes an unlimited homage, and obedience to the latter. It makes a misdemeanor on his part towards his master a very different offence, from a wanton abuse of power towards the servant. But at the same time, it defines crimes, that the master can commit, in relation to the slave, and prescribes the mode of trial, and the kind and degree of punishment. It constitutes unnecessary correction, maiming, and murder, punishable offences in a master. It is very minute in prescribing the number of hours, which the master may lawfully exact to be employed in labor, and the number of hours, which he must allow his slave for meal times and for rest. It prescribes the time and extent of his holidays. In short, it settles with minuteness and detail the whole circle of relations between master and slave, defining, and prescribing what the former may, and may not exact of the latter. Yet, after all these minute provisions, the slave finds the chief alleviation of his hard condition, and his best security against cruel treatment, and his most valid bond for kind and proper deportment towards him, in the increasing light, humanity and force of public opinion.

That the slave is, also, in the general circumstances of his condition, as happy, as this relation will admit of his being, is an unquestionable fact. That he seldom performs as much labor, or performs it as well, as a free man, says all upon the subject of the motives, which freedom only can supply, which can be alleged. In all the better managed plantations, the mode of building the quarters is fixed. The arrangement of the little village has a fashion, by which it is settled. Interest, if not humanity has defined the amount of food and rest, necessary for their health; and there is in

a large and respectable plantation as much precision in the rules, as much exactness in the times of going to sleep, awaking, going to labor, and resting before and after meals, as in a garrison under military discipline, or in a ship of war. A bell gives all the signals. Every slave, at the assigned hour in the morning, is forth-coming to his labor, or his case is reported, either as one of idleness, obstinacy, or sickness, in which case he is sent to the hospital, and there he is attended by a physician, who, for the most part, has a yearly salary for attending to all the sick of the plantation. The union of physical force, directed by one will, is now well understood to have a much greater effect upon the amount of labor, which a number of hands, so managed, can bring about, than the same force directed by as many wills as there are hands. Hence it happens, that while one free man, circumstances being the same, will perform more labor than one slave, an hundred slaves will accomplish more on one plantation, than so many hired free men, acting at their own discretion. Hence, too, it is, that such a prodigious quantity of cotton and sugar is made here, in proportion to the number of laboring hands. All the processes of agriculture are managed by system. Every thing goes straight forward. There is no pulling down to-day the scheme of yesterday, and the whole amount of force is directed by the teaching of experience to the best result.

If we could lay out of the question, the intrinsic evils of the case, it would be a cheering sight, that which is presented by a large Louisiana plantation. The fields are as level, and as regular in their figures, as gardens. They sometimes contain three or four hundred acres in one field; and we have seen from a dozen to twenty ploughs all making their straight furrows through a field, a mile in depth, with a regularity, which, it would be supposed, could only be obtained by a line. The plough is generally worked

by a single mule, and guided by a single hand, who cheers the long course of his furrow with a song.

Rivers. East of the Mississippi, fall into that river Bayou Sarah, and one or two other small streams. Into the efflux, or Bayou Manshac, or Ibberville, as it passes from the Mississippi to lake Maurepas, falls the Amite, and some other inconsiderable streams. The Ticefah falls into lake Maurepas. The Tangipao falls into lake Ponchartrain, as do Chiffuncte and Bonfouca. Pearl river divides between this state and Mississippi, and falls into the rigolets, near Pearlinton. None of them, except Pearl river, which has been already described, have courses of more than seventy or eighty miles, and they are navigable by schooners to a considerable distance from the lake. They rise in the state of Mississippi. Chiffuncte affords the best harbor on the lake.

The effluxes on the west side of the river, in ascending, are first the Bayou Lafourche; next Plaquemine; and the last Atchafalaya, or as it is universally pronounced, Chafalio. Lafourche breaks out from the Mississippi at Donaldsonville, ninety miles above New Orleans, and taking a south-east course, finds its separate channel to the gulf of Mexico, about fifty miles west of the Balize. The Plaquemine, still further up, carries out at times a great and sweeping body of water from the Mississippi. After running some distance through a very rich tract of country, it unites with the Atchafalaya in one broad stream, which, before it passes into the gulf, receives the Teche, a stream which passes through the fertile plains of Opelousas and Attakapas.

At a very little distance below the mouth of Red river, the Atchafalaya breaks out from the west bank with an outlet, apparently of the same width with Red river, and it is supposed, carrying off from the Mississippi as much

water, as Red river brings in. It has such a position in the bend of the Mississippi, as that immense masses of drift wood and timber, passing down that river, are swept into this outlet. This accumulating mass soon meets with obstructions, and is jammed together into a raft, which rises, and falls with the rising and falling of the Bayou.—A considerable vegetation of shrubs and flowering plants has been formed on the surface of this floating timber; and a man might pass directly over this vast mass of waters, without knowing when he was crossing it. The raft is eight or ten miles, in extent, and is supposed to contain a mass of more than two million cords of wood and timber. The medial width of the Bayou is little more than 200 yards. It has a winding course, traverses many points of the compass, and receives the water of the Mississippi overflow at different places in its course. Its length, before it falls into the gulf, measuring its meanders, is nearly 200 miles, and its comparative course 130.

The Teche rises in Opelousas, receiving a great number of streams, that rise in the prairies. It winds through Opelousas and Attakapas, and meets the tide at New Iberia. It flows about 45 miles further, before it is lost in the Atchafalaya, which it enters by a mouth 200 yards wide.—It has a course, computing its meanderings, of 180, or 190 miles.

West of the Teche are the Vermilion, Courtableau, Calcasieu and Sabine, streams of considerable importance, beside a very great number of smaller streams, which rise, except the Sabine, in the woods in the south-western parts of the state, and thence emerge into the prairies, and unite either with the streams above named, or fall into the lakes, which skirt all this front of the state. Indeed, the whole boundary of Opelousas and Attakapas on the gulf, is a chain of lakes, some larger, and some smaller, and almost

innumerable. The margin of the sea shore, for some distance back into the country, is a dead level, and below the tides, which are created by a strong south wind, in which case the sea throws its waters over great extents of these marshy plains. When the rivers reach the lakes and the vicinity of the gulf, they communicate with the lakes by many mouths, and by each other with numberless lateral communications. So that the connections of the lakes and the streams form an immense tissue of net work, and the numbers of boatable communications are only known to the inhabitants in their vicinity, and who have been long, and intimately acquainted with the country.

We may remark in passing, that the soil on the Atchafalaya is red, like that of Red river. Indeed, from the character and conformation of the country on its banks, from the width of the Bayou, and the vegetation in its vicinity, we clearly infer, that it was once the channel of Red river, by which that river pursued its own independent course to the gulf, without mingling its waters with those of the Mississippi.

The soil on the banks of the Teche is red, and shows, also, that it once had some connection with Red river.— Its alluvions have many points of resemblance to those of that river. Like them, these also, are of exhaustless fertility. They are settled, in their whole extent, until they become so low, as to be subject to inundation. Except the coast above New Orleans, it presents the largest and compactest settlement in the state. It is remarked of this stream, that it presents manifest indications of having once been the channel of a much greater volume of water, than it carries at present. The channel grows broader and deeper, beyond the Fusilier, for an hundred miles. At the former place it is 50 yards wide, and at low water three feet deep. Where it enters the Atchafalaya, its channel is 100 yards

wide, and it has 20 feet water. Between the two points it has received no water to account for this enlargement.

Bayou Bœuf and Cocodri, rising near Red river in the pine hills, wind through a very fertile alluvion, and unite in Opelousas, to form the Courtableau, which waters the richest part of Opelousas. Vermilion, Mermentau, and Courtableau all rise near each other, in level table lands near the centre of Opelousas. Each of them have valuable lands lying on their banks.

We can do no more, in conformity with our limits, than give some of the names of the more conspicuous bayous, that go to form those, which we have mentioned, and which wind in different directions through the vast prairies, between the Atchafalaya and the Sabine. In this distance, we cross the Derbane, Waushka, Tensa, Fusilier, Carrion, Cocodri, Bayou Cane, Bayou Mellet, Petit Anse, Bayou Sale, Bayou Nezpique, Plaquemine, Brule, Queue, Tortue, Bayou Chicot, Bayou Grand Louis, Lacasine, Carrion Crow, and a great number of streams of less importance, that are properly streams of the prairies.

Below the open prairies, there are a number of Bayous, that belong to the Atchafalaya, and the Plaquemine; such as the Gros Tete, Bayou Maringouin, Bayou Mansir, an efflux from the Mississippi, Grand and Petit Caillou, Bayou peau de Chevrail, Bayou Large, and many others.

Near a singular hill between Opelousas and Avoyelles rise the Bayous Rouge and Petit Prairie. They run through a rich soil, and an immensely deep and heavy forest. Bayou Rouge is a circular hill, rising from a great extent of adjacent level and swampy lands, and which, but for its extent, might be taken for an Indian mound. The small and wretched remains of the Tunica tribe of Indians reside here. This tribe at a distant period was desolated by a massacre, perpetrated on them by the Natchez Indians.—

Here, intermediate between Red river and the gulf, and isolated from savage and social man, intercourse with whom has been alike ruinous to them, by inundated swamps and deep and pathless forests, they dwell in solitude.

Before we proceed to describe the two great rivers of Louisiana, Red river and the Washita, whose tracks lead us into the interior, we propose to name the principal lakes of Louisiana, as the larger of them either communicate directly with the gulf, or lie in its vicinity. Lakes Maurepas, Ponchartrain and Borgne form an extended chain east of the Mississippi. Lake Maurepas is of a circular form, and is comparatively small. It communicates with lake Ponchartrain by a narrow pass. Lake Ponchartrain is 40 miles long and 28 wide. It communicates by two narrow passes, called rigolets, with lake Borgne, which is 35 miles long and 12 wide. These lakes, though navigated by a great number of small vessels, principally schooners, are shallow, except in a channel through their centre.—Lake Borgne has seldom more than six feet water, except in this channel. When we could see no land, in a clear day on lake Ponchartrain, we sounded bottom with a common cane angling rod. When the wind rises, these shallow lakes are subject, to what is called a ground swell, and their navigation is dangerous.

The lakes west of the Mississippi, along the shores of the gulf, and between Red river and Washita, are too numerous for us to enumerate. A complete catalogue, embracing them all, large and small, would swell the number to hundreds. The chief of them are Barataria, Attakapas, Prune, Salt water, Green, Grand, Mermentau, Calcasieu and Sabine on the gulf; and Long, Catahoola, Iatt, Saffine, Natchitoches, Spanish, Black, Bistineau, Bodau, Pisquota, and many smaller ones between Washita and Red river, and Red river and the Sabine; and Concordia, Ho-

mochitto and Providence lakes, belonging to the Mississippi. West of that river are also the smaller lakes, Chitimaches, Natchez, Des islets, Levy, Little lake, Palourde, Quacha, Ronde, St. John, St. Joseph, &c. Some of these lakes are many miles in extent, and others are little larger, than the collections of water, called ponds at the north.

That some of them are of recent origin is proved by the fact, that in the midst of them are vast extents of water, out of which rise thousands of deep cypress trees, still standing erect, where boats pass, and fish are taken in the driest seasons. As you approach these lakes, which abound in fish, through the deep forests, which skirt them, you are warned of your approach to them by observing the trees shrouded in a deeper drapery of long moss. They have generally on their shores a skirt of rich soil, resembling an alluvion.

Sabine. This river rises in Texas, in latitude 32° 30' and flows southwardly, entering this state at its south-west angle, in the parish of Natchitoches. Thence it forms the dividing line between Louisiana and the states of Mexico. It has a course of 400 miles; and in high stages of its waters, when the obstructions of small timber rafts are cleared out of it, is susceptible of good steam boat navigation, as high as the great crossing on the road from Natchitoches to the Spanish country. In low stages of water it has but four feet water over the bar at its mouth. Like the other rivers of this state, it broadens into a wide lake before it enters the gulf. It enters it through a vast and solitary prairie of uncommon sterility, uncheered by the distant view of vessels, or by any traces of social existence. A few wandering savages are sometimes seen in the distance diminished to moving atoms. The wild deer browses unmolested; and the sea fowls scream unterrified by the report of the gun. The prairie is as illimitable by the eye,

as the ocean, on which it borders. Its wide alluvion contains lands only of second rate quality. It waters the most hilly parts of the state. Among those hills there are frequent streams, some lakes and ponds, and oftentimes small strips of good second rate land. This stream derives its chief consequence from its position, as the line of separation between the United States and Mexico.

Washita. This large river rises in the Masserne mountains, in the territory of Arkansas, in latitude 34°. North Fork, Washita Fork, and South Fork unite to form the main river, which, after flowing something more than 100 miles, receives from the north, Hot Spring fork. Eight leagues below, it receives the Cado, and the same distance lower down, the Little Missouri. The Saline rises at no great distance from the Hot Springs, and after a winding course of 150 miles, flows into the Washita just above the limits of this state. The Bayou Barthelemi rises ten leagues south of the Sabine, and joins the Washita a league above fort Miro. The Chaudron comes in from the south, and the Bœuf and the Macon having its head waters in Providence lake, from the north. The latter, with some small streams united to it, forms the Tensa. On the other side comes in Catahoola, or Little river. Of this river, the Dugdemony is a principal branch. Little river, in its course passes through Catahoola lake, and uniting with the Tensa in a deep swampy forest, forms the Black river, which, soon after the junction, mixes its waters with Red river.

The soil of the alluvions of Washita, in its lower courses, is black and extremely fertile. Its upper waters run through a mountainous region, the description of which naturally falls under the head of Arkansas Territory. The lower waters of this river rise in the Pine Hills, and have on their banks second rate land, until, a short distance from their union with the main river, when the soil becomes of

the same quality with that of the main river. On the alluvions and bayous of this river are already a great number of fine cotton plantations; and there is an extent of rich, unoccupied cotton lands for a much greater number still. The natural productions of this river, and its waters in this state, are considered no way inferior to those of the best parts of the Mississippi, and are the same, with the exception of the sugar cane, which is not known to have been attempted on its waters.

Red river. This is one of the most considerable tributaries of the Mississippi. Its width of channel, in its lower courses, does by no means correspond to its length of course, or the immense mass of waters, which it rolls to its parent stream. But in high waters, when it has arrived within 300 or 400 miles of that river, it is often divided into two or three parallel channels, and a line of bayous and lakes connected with it, takes up its superabundant waters, and are a considerable time in filling; and prevent the river from displaying its breadth and amount of waters, as it does in the high lands 500 miles above, where the whole river flows through high lands in one broad stream. It takes its rise in a chain of hills near Santa Fe, in New Mexico, called, we know not by what authority, the Caous mountains. In its upper courses it receives Blue river, and False Washita. It winds through a region of prairies, on which feed droves of Buffalos, cattle and wild horses. In these regions it receives a great many considerable tributaries, the names of which have not yet been given. Between the Pawnee and the state of Louisiana it receives Kimichie Vasseux, and Little river from the north. From the south enter the Bois d'Arc, and Little river of the south. The Bodcau, Dacheet, Black lake and Saline rivers enter Red river, after it enters Louisiana. There are fine tracts of land on the Dacheet and Saline. Wells

are sunk in a salt plain, near the Saline, from which considerable quantities of salt are made. Black lake river is a considerable stream, on the banks of which, among the hills, are found great varieties of petrifications of every sort. Lake Bistineau communicates with Red river. Petrifications abound on its shores, and this remote and romantic sheet of water has some of the most delightful scenery on its shores.

Through the greater amount of its course, Red river winds through immense prairies of a red soil covered with grass and vines, that bear delicious grapes. On its banks is the favorite range of the buffalo, and the other game, peculiar to the immense western ocean of prairies. About thirty leagues above Natchitoches, commences the raft, which is nothing more, than an immense swampy expansion of the alluvion of the river to the width of twenty or thirty miles. The river, spreading here into a vast number of channels, frequently shallow of course, has been for ages clogging with a compact mass of timber, and fallen trees wafted from the upper regions. Between these masses the river has a channel, sometimes lost in a lake, and found by following the outlet of that lake back to the parent channel. There is no stage of the water, in which a keel boat with an experienced pilot may not make its way through the raft. We have seen a considerable steam boat, which was built above the raft, and floated through it in an unfinished state. The river is blocked up by this immense mass of timber for a length, on its meanders, of between sixty and seventy miles. There are places, where the water can be seen in motion under the logs. In other places, the whole width of the river may be crossed on horseback, and boats only make their way, in passing these places, by following the inlet of a lake, and coasting it to its outlet, and thus finding the channel again. Weeds,

flowering shrubs, and small willows have taken root upon the surface of this timber, and flourish above the waters. But in all these places the courses of the river, its outline, and its bends are distinctly marked by a margin of forest trees, which grow here on the banks in the same manner, as they do, where the channel is open.

It is an impediment of incalculable injury to the navigation of this noble river, and the immense extent of fine country above it. There is probably no part of the United States, where the unoccupied lands have higher claims, from soil, climate, intermixture of prairies and timbered lands, position, and every inducement to population, than the country between the raft and Kiamesia. This country would be settled with great rapidity, were it not for the obstruction, which this raft opposes to the navigation of the river. The state has made an effort to have it removed.—The general government has had it in contemplation, and we believe, has made an appropriation for this purpose. The river above the raft becomes broad, deep, and navigable for steam boats in moderate stages of the water 1,000 miles towards the mountains.

Below the raft, as we have remarked, the river divides itself into many channels, and fills such a number of bayous and lakes, that lie parallel to the river, that the bare enumeration of their names would carry us beyond our object. The valley of this very interesting river has a width of three or four miles, as high as the Kiamesia, nearly a thousand miles from its mouth, following its meanders. It broadens, as it slopes towards the Mississippi, and has, for a long distance from its mouth, a valley from six to eighteen miles in width. Of all the broad and fertile alluvions of the Mississippi streams, no one exceeds this. It compares in many more points with the famous Nile, than the Mississippi, to which that river has so often been likened. Cot-

ton is at present the staple article of the growth of its lower course. Sugar cane is at this time in an extensive scale of experiment, and will, probably, hereafter be raised in abundance; and the broad and fertile plains of this river, as far as Natchitoches, will be converted into sugar plantations. The alluvions of Rapide, Bœuf, Robert, Rigolet, Bon Dieu, Aux Canes, and the other waters of the lower parts of the river, in fact of all its waters, as far as 32°, seem to be peculiarly fitted for this cultivation. This valley spreads from east to west instead of north and south, like the Mississippi. The immense masses of cold water, which that river brings down from the northern regions, must sensibly affect the temperature of the air on its banks. In descending from Red river to New Orleans, we have observed, that vegetation in the spring was more than a week in advance, of that on the Mississippi, although farther to the south. We believe, that cane will thrive as well on this river in 31°, as it does on the Mississippi in 30°. All the chief streams of the river have the same soil and character with the main river. Indeed the lands on Bayou Rapide, Robert, and Bœuf are supposed to be richer, than those of the main river. It is considered the best land for cotton in the United States. It is of a reddish tinge, mellow, friable, slightly impregnated with salt, and brings forward in great luxuriance all the vegetation, that is proper to its climate. Its indigo and tobacco are considered the best in Louisiana.

It is deemed unnecessary to enumerate the trees, shrubs and vines, that are common to the valley of this river and the Washita. We have already included them in our general remarks upon the trees of the western country.—We shall only remark, that the greater part of them, which belong properly to the northern and middle regions of the country, are also found here. We except the chesnut, al-

though the chineopin, a species of the chesnut, grows here. It wants the orange and the live oak of the more southern parts of the state. The laurel tribe is very abundant, as are the oaks and hickories. In the eastern division of Opelousas, forty different species of trees have been found growing within the space of a few miles. The live oak seems to indicate, that as we advance west in the same parallel, the temperature diminishes. In the western parts of the state, it retires to the south, and is nowhere found so far north, as in the vicinity of Mobile.

Islands. East of the Mississippi, and fronting this state, there are a number of islands, along the shore of the gulf, the largest of which is called Chandeleur.—They are all small, covered with pine and sand heaps.—Some of them are inhabited, and rendered fertile by the industry of their owners. Those that lie off the shore of lake Borgne, are considered uncommonly healthy; and some of the inhabitants survive to extreme old age. West of the Mississippi, the principal islands along the gulf shore, are Barataria, the noted resort of Lafitte's piratical squadron, Thomas', La Croix, and Ascension islands.—The soil of these islands is generally of the richest character. They are covered with a dense forest of live oaks and other trees, and abound in deer, turkeys, and other game. Millions of sea fowls, at the proper seasons, frequent the inlets and bays, contiguous to them, and oysters and fish are in the greatest abundance, and of the most excellent quality. Thomas' island is acquiring reputation as a resort for health. From the purity of the air of the gulf, and the cool breeze of the trade winds, and the opportunities of sea bathing, and the refreshing verdure of the island, it would be a delightful summer residence, were it not for the annoyance of its myriads of musquitos.—As it is, it is a charming place, in which to pass the winter.

These islands have come in demand, since the recent discovery, that their soil and climate are peculiarly favorable to the cultivation of the sugar cane. They will soon be covered with that kind of cultivation. Although there are extensive marshes between them and the high grounds of Attakapas, yet as these marshes are situated north of the islands, and as the summer winds blow almost invariably from the south, they have all the chances for being salubrious, that they would have, if they were wholly removed from marshes. Thomas' island is connected with the main land by a cause way. There is an astonishing peculiarity, appertaining to this, and most of the islands along this shore. Rising from the sea in the midst of a marsh, skirted by an immense prairie, as level almost as the gulf, and elevated but a few feet above its surface, the islands rise like bluff hills, and have an elevation rated differently from 20 to 100 feet above the sea, and above the prairies in the vicinity. The singularity of the appearance, which they present from this circumstance, can only be readily conceived by one, who has seen the country. To find the cause of this elevation, and to account for it on geological principles, has furnished new employment for geologists.

Beside the sea islands, there are many lake and marsh islands on this shore, some of them of considerable extent. Sicily island, between Catahoola and Natchez is not only a body of fine soil, but from its position and appearance, presents an aspect of great interest. In the midst of a vast swamp, and insulated by marshes and bayous, and in the season of high waters by the overflow of the Mississippi, a large body of the richest alluvial land, entirely above the highest floods, rises, like a glacis, to bluffs of pine woods, and we see their ever verdant tops waving above the vast surrounding morass. On this island are some of the best plantations in the parish of Catahoola.

Bays. We have seen that the shores of the gulf are generally low. They are especially so along the front of this state. Vast extents of marsh interpose between the sea and the cultivable lands. The lakes and inlets and sounds are connected by an inextricable tissue of communications and passes accessible by small vessels and bay-craft, and impossible to be known except by pilots, perfectly acquainted with the waters. Hence the security afforded to small piratical vessels, commanded by men, who could guide them by sinuous and narrow channels, where none, but the most experienced pilots could follow them. The shore is indented by numberless small bays, very few of them affording sufficient water to shelter vessels. Berwick's bay is the only one, that has any considerable extent.

Prairies. A very great proportion of the surface of this state is covered with prairies. Almost all these prairies are connected, and form, like the waters of the Mississippi, a family, through which the connection of all the branches may be traced. The prairies, that are included under the general name of Attakapas, are the first, that occur west of the Mississippi. The parish of Attakapas is situated in these prairies. The name implies '*man eater*,' in the language of the savages, who formerly inhabited it, and who are reported to have been cannibals. It is an immense plain of grass, spreading from the Atchafalaya on the north to the gulf on the south. Its contents are commonly stated at 5,000 square miles. We, however, deem the computation too large. Being open to the gulf, it is generally fanned by the refreshing breezes of that sea. Its aspect of extreme fertility, its boundless plain of grass, its cheering views, its dim verdant outline, mingling with the blue of the sea, white houses seen in the distance, innumerable cattle and horses grazing in the plain, or repos-

ing here and there under the shade of its wooded points, has an indescribable pleasantness to the traveller, who has been toiling on his way through the tangle, and the swamps, and along the stagnant lakes, and the dark and deep forest of the Mississippi bottom. All at once he leaves the stifling air, the mosquitoes, the rank cane, the annoying nettles, and the dark brown shade, and emerges into this noble and cheerful plain, and feels the cool and salubrious breeze of the gulf. At first he finds it almost painful to dilate that vision, which has so long been confined in the forest, to the contemplation of the boundless prospect, before him. He sees, spread out under his eye, an immense tract of beautiful country, containing in 1820, more than 12,000 people, all subsisting by agriculture.

Advancing west, he passes from this to Opelousas prairie, still larger than the other, and computed to contain nearly 8,000 square miles. It is divided by bayous, wooded grounds, points and bends, and other natural boundaries, into a number of prairies, which have separate names and marks of distinction. Taken in its whole extent, it is bounded by the Attakapas prairie on the east, pine woods and hills on the north, the Sabine on the west, and the gulf on the south. The soil, though in many places very fertile, is in general less so, than the former. It atones for that deficiency by being more salubrious, being generally deemed the healthiest region in the state. There are here very considerable cotton plantations, and some of indigo; and the parish, which bears its name, is one of the most populous in the state. The people of the other parish are devoted to the growth of the sugar cane. This is the centre of the land of shepherds, and the paradise of those, who deal in cattle. The greater number of the people are chiefly devoted to that employment and they number their cattle by thousands.

Bellevue prairie is partly in Opelousas, partly in Attakapas. It affords, as its name imports, a delightful prospect. It is watered on its western limits by Bayou Queve Tortue, Plaquemine brule, Bayou Melet, prairie Grand Chevrail, Laurent, Alabama, Wikoff's, Le Melles', Avoyelles', Merom, or Marom, Grand prairie. Calcasieu and Sabine prairies are names, that designate the different forms, shapes and openings of this continuous line of prairies, as it stretches along the settlements from the Plaquemine to the Sabine.

Some of them, as Opelousas, are of immense extent. That of the Sabine is boundless to the vision. Calcasieu is seventy miles long by twenty wide. They are generally so level, as to strike the eye as a perfect plain. They have, however, slight swells and declinations, sufficient to carry the water from them. Though after long rains they are extremely wet, and immense tracts are covered with water. They have a gentle and imperceptible slope towards the gulf, and generally terminate, before they reach the shore, in wet marshes, into which, when the south wind blows, the sea is driven. These marshes are covered with a luxuriant growth of tall, reedy grass, called cane grass.—In various parts of these prairies, there are islands of timbered lands. They generally have an appearance of such regularity and beauty, that a stranger is with difficulty convinced, that they are not clumps of trees, planted out in circular, square, or triangular forms for the beauty of their appearance. It would be impossible to convey to one, who has not felt it, an idea of the effect produced by one of these circular clumps of trees, seeming a kind of tower of verdure, rising from an ocean of grass. Wherever a bayou, or a stream crosses the prairie, it is marked with a fringe of timber, which strikes the eye of an observer, like the lines of trees in landscape painting.

At the points of these prairies, and wherever the streams and bayous cross them, the soil is rich. But they become of a thinner and more sterile soil, as we advance towards the Sabine. Attakapas is the first and the most fertile, and that of the Sabine the last and the most sterile. On the skirts even of the poorer prairies, near water courses and abundant winter range, there is a sparse population quite to the Sabine. The situations are generally selected with a view to their being favorable for the raising of cattle.— There are a few cotton plantations beyond Opelousas prairie. But most of the people subsist by raising cattle and horses. Some years since, three men of this region, numbered above 15,000 head of horned cattle, and 2,000 horses and mules. Some of the situations on these lonely, but delightful prairies, have been selected with such reference to beauty of prospect, that we question if any in Arcadia surpassed them. They raise sheep, the mutton of which is excellent; but the wool coarse. Many of the horses are of the Andalusian and Numidian breed; and the cattle sleek, slender, elegantly formed, and spirited in their movements. They are driven to New Orleans for a market. Many of the inhabitants are French, clad in leather, flowing with milk and honey, often opulent, but clinging to the simplicity of pastoral life from habit and inclination. The traveller looks round upon thousands of cattle, and a rustic abundance of every thing, appertaining to a shepherd's life; and is welcomed with a genuine hospitality, accompanied with French urbanity.

It has been observed, that in advancing towards these sequestered regions, the traveller from New Orleans observes a decrease of luxury and refinement, corresponding to his advance on his journey, evidencing a similitude of inverted history. He travels through all the different stages of refinement, from the luxury of that showy and

expensive city, to the mansions of the opulent and rural planters of Attakapas, the *petits paysans* beyond, and the Arcadian habitations of the French planters near the Sabine.

Avoyelles prairie has a very narrow front on Red river, is rich and alluvial in point of soil, and of moderate extent, being seldom more than three or four miles wide. It runs back from Red river a considerable distance, and constitutes the parish, the name of which it bears. It is inhabited by cotton planters and people, who subsist by raising cattle. They are principally French.

Catahoola prairie, on Catahoola or Little river and the Washita has in many respects a resemblance to that of Avoyelles. This prairie, together with Sicily island, constitutes the chief part of the parish of Catahoola. There are, also, very extensive prairies between Washita and Red river. They spread in a line, which meanders, like the course of the rivers, through the wooded country, until they connect themselves with the immense grassy plains on the upper courses of these rivers. They are generally second or third rate land, for the most part uninhabited, and many of them as yet without a name.

Three new parishes have been recently created by the legislature. The parish of Plaquemine is situated north of lake Borgne, west of New Orleans, and is bounded on the southeast by the gulf of Mexico. The greater part of its surface is swampy. It produces all the articles of culture in Louisiana; but sugar is the staple.

The parish of Orleans includes the city. Chef Menteur, Rigolets, Bayou Bienvenu, Bayou Gentilly and Bayou St. Johns, are all in this parish, and are famous in the history of the late war. Lake Ponchartrain, lake Borgne, Barataria bay, gulf of Mexico, Caminda bay, lake Des islets, lake Rond, Little lake and Quacha lake are in the

limits of this parish. Sugar, and after that, cotton are the staples. Along the coast there are groves of orange trees, and the fig is extensively raised. In this parish are the greater part of the defences, that are intended to fortify the city of New Orleans against the attack of a foreign foe.—The chief fortifications are on those points, by which the British approached towards the city during the late war. Extensive fortifications of brick have been erected at *Petits Coquilles*, *Chef Menteur* and *Bayou Bienvenu*, the two former guarding the passes of the *Rigolets*, between lake *Borgne* and lake *Ponchartrain*, and the latter the approach from lake *Borgne* towards New Orleans. A great work, to mount 120 cannon is erecting at *Plaquemine* on the *Mississippi*. These works, when finished, will not fall far short of the expense of 2,000,000 dollars. *Fort St. Johns*, at the entrance of the *Bayou St. Johns* into lake *Ponchartrain*, is well situated for the defence of the pass. It is an ancient establishment of the former regime. The guns are of vast calibre; but they appear to be scaled, and the walls have a ruinous aspect. These points of defence have been selected with great judgment, and have been fortified with so much care, that it is supposed, no enemy could ever again approach the city by the same passes, through which it was approached by the British, in the past war. New Orleans, the key of the *Mississippi* valley, and the great depot of its agriculture and commerce, is already a city of immense importance, and is every year becoming more so. This city has strong natural defences, in its position and its climate. It is now strongly defended by artificial fortifications. But, after all, the best defence of this, and of all other cities, is the vigilant and patriotic energy of the masses of free men, who can now by steam boats be brought down to its defence in a few days from the remotest points of the west. It is not to be forgotten,

that by the same conveyance, an enemy might also be brought against it.

Of the other parishes we may remark in general, that as far up the Mississippi, as the parish of Baton Rouge, on the east side and Point Coupee on the west, the cultivation of sugar cane is the chief pursuit. The same may be said of Plaquemine, Lafourche and Attakapas. The staple article of the western parishes beyond is cotton.—The parishes north of lake Ponchartrain, which formerly made a part of Florida, with the exception of some few tracts, and the alluvions of Pearl river and Bogue Chitto, have a sterile soil. They raise large flocks of cattle, and send great quantities of lumber to New Orleans, together with pitch, tar, turpentine, and coal. They burn great quantities of lime from the beds of shells, which cover whole tracts near the lakes; and they send sand from the beaches of the lakes, for covering the pavements of New Orleans. They have, also, for some years past, manufactured bricks to a great amount, and have transported them across the lake. They have a great number of schooners, that ply on the lakes in this and other employments. The people, engaged in this extensive business, find the heavy tolls demanded on the canal a great impediment in the way of the profit of this trade. The country, generally, is covered with open pine woods, and has small tracts of second rate land interspersed among them. The country is valuable, from its inexhaustible supplies of timber, and wood for the New Orleans market.

Chief Towns. New Orleans is the capital of the state, and the great commercial emporium of the West. It is situated in a great bend of the Mississippi, on its eastern bank, N. latitude $29^{\circ} 57'$ longitude $90^{\circ} 8'$ west from Greenwich, and $13^{\circ} 9'$ west from Washington, 105 miles by the meanders of the river from the Balize, and 90 miles in a direct line;

and not far from 1,000 below the mouth of the Ohio; and a little more than 1,200 below the mouth of the Missouri. It is not far from being intermediate between Boston and Mexico, although the passage from New Orleans to Vera Cruz is much shorter by sea, than to Boston. It consists of the old city, properly so called, which is built in the form of a parallelogram, of which the longer sides are 1,320 yards in length, and the shorter, or the depth of the city towards the swamp, 700 yards. Above the city are the suburbs of St. Mary, and Annunciation. Below the city are the suburbs Marigny, Daunois, and Declouet. These are called Fauxbourgs. Between the city and the Bayou St. John are the villages St. Claude, and St. John's-burg. Whoever will look at its position on the map, will have a view at once of its unrivalled advantages of position, for a commercial capital. Accessible quickly, and at all times by large ships from the sea, its long distance above it, and the sinuosities of the river give it uncommon capabilities of defence from foreign annoyance. It has, probably, twice as much extent of boat navigation above it, as any other city on the globe. Taking the length of all the tributaries of the Mississippi, that are navigable, and actually navigated by steam boats, it is not extravagant to say, that the sum would exceed 20,000 miles; and these waters penetrate the most fertile soils, and pass through the pleasantest climates. Its advantages of communication with the country, immediately adjacent to it, have been overlooked, in comparison with its relation to the upper country. But even in these respects it is unrivalled. By the basin and the canal, and the Bayou St. John it communicates with lake Ponchartrain, and the connected lakes; with the opposite Florida shore, with Mobile, Pensacola, and the whole gulf shore, east and west. There are not a few vessels, that clear from the basin for the Atlantic and

Mexican ports. The basin is scarcely distant a quarter of a mile from the ship landing on the Mississippi. A person on the basin wharf can see the masts of the vessels, lying on the shore of the levee, and yet a vessel, sailing from the Basin, would have to sail through the lakes along the gulf shore, and up the Mississippi, some hundreds of miles, to arrive at so little distance from her former position. Even the commerce and shipping of the basin would be sufficient for the support of a considerable commercial city.— There is a project, and it is believed, an incorporation, to connect the lake with the Mississippi by a canal, directly from the one to the other. A canal is, also, contemplated, for connecting Attakapas with the city. Nature has almost completed the line of communication. At present the Bayous Plaquemine and Lafourche furnish that communication. Although steam boats run at present between Opelousas and Attakapas by these routes and the Teche, yet the mouths of these Bayous are liable to be choaked with timber, and the navigation is generally attended with some difficulty, and is moreover circuitous. There are so many communications by water between New Orleans and the lower parts of Louisiana, accessible by the smaller boats, that all of them are only known to people, who have been in habits, for a long time, of exploring them, for the sake of finding new and shorter routes to their destination.

The wooden buildings, of which the city was formerly in a great measure composed, have given place to buildings of brick. The city, properly so called, and the Fauxbourg St. Mary are compactly, and substantially built. In the city, the French and Spanish styles of building predominate. The houses are stuccoed externally, and this stucco, of a white or yellow color, strikes the eye more pleasantly, than the dull and sombre red of brick. There can be no question, but the American mode of building is more com-

modious, solid, and durable; but the latter mode has the preference, in its general effect upon the eye. To an American, viewing them for the first time, there is something fantastic and unique in the appearance of the city streets, which wears a resemblance to European French and Spanish towns, rather than American. The Fauxbourg St. Mary, and many other parts of the city are built after the American fashion, and have nothing in their appearance, different from an Atlantic town.

The city contains six complete squares; each square having a front of 319 feet in length. Each square is divided into twelve lots. Few of the streets, except Canal street, are more than forty feet wide. The names of the principal streets are Levee, Chartres, Royal, Burgundy, Dauphine, Toulouse, &c. The public buildings are the Town House, at the north-west corner of Chartres and St. Peter's streets; the Hospital, standing in the suburb St. Mary, opposite the square, between Dauphine and Burgundy streets; the Cathedral church of St. Louis, in front of Orleans street, upon Chartres street; the convent of Ursuline, upon Ursuline street, between Levee and Chartres streets; the Barracks upon Garrison and Levee streets; the Custom House, in front of the square, between Canal and Levee streets; the Market house, upon the Levee, in front of the square, between St. Anne and Du Maine streets; Orleans bank, upon Conti, between Chartres and Royal streets; Louisiana bank, upon Royal, between Conti and St. Louis streets; Planter's bank, south-west corner of Conti and Royal streets; Government House, north-west corner of Levee and Toulouse streets; District court of the United States, between Du Maine and Phillippe streets; and the Water works on Levee street in front of the square, between Ursuline and St. Philip streets. A very large and splendid building is erecting for the new state bank.

The French theatre is in the city and the American in the Fauxbourg St. Mary. The presbyterian church is also in this Fauxbourg.

The cathedral stands at the head of a spacious square, 400 feet from the river. The building is of brick, extending ninety feet on the street, and 120 back of it. The roof is covered, as are most of the French and Spanish houses, with hollow tile, and is supported by ten plastered brick columns. It has four towers, of which one contains two bells. It has an organ, and is finished within, with great massiveness and simplicity. It is an imposing fabric, and the interior seems calculated to excite religious feeling. Under its stone pavements are deposited the illustrious dead. In niches and recesses are the figures of the saints, in their appropriate dress, and with those pale and unearthly countenances, which are so much in keeping with the common ideas, entertained of them. The walls are so thick, that though in the very centre of business, you hear only a confused whisper within, and are almost as still, as in the centre of a forest. You go but a few paces from the crowds, that are pressing along Levee street, and from the rattle of carriages, that are stationed near this place, and you find yourself in a kind of vaulted apartment, and in perfect stillness. The tapers are burning, and some few are always kneeling within in silent prayer. Images of death, of the invisible world, and of eternity surround you. The dead sleep under your feet—You are in the midst of life, and yet there reigns here a perpetual tranquillity.

The presbyterian church is of brick, and is a very large and handsome building. The episcopal church is small, but light and neat in its structure. The prison, and the French theatre are very large, and externally disagreeable buildings, though the *coup d'œil* of the view, in the inte-

rior of the French theatre, is very brilliant. The charity hospital, though not a very beautiful building, has a moral beauty of the highest order. It is, probably, one of the most efficient and useful charities in the country. New Orleans is of course exposed to greater varieties of human misery, vice, disease and want, than any other American town. Here misery and disease find a home, clean apartments, faithful nursing, and excellent medical attendance. Under this roof more miserable objects have been sheltered, more have been dismissed cured, and more have been carried to their long home, than from any other hospital among us.

The college is a respectable building; and has had ample endowments; but has done as yet but little for the literature of the country. There is a convent of Ursuline nuns, who receive day scholars and boarders for the various branches of rudimental education. The female orphan asylum is a most interesting charity, dating its efficient operations from the benevolent donations of the late Poydras. It has commonly seventy or eighty destitute female children, under sober and discreet iustructresses, all plainly and neatly clad, and constantly occupied, either in acquiring the rudiments of education, or of needle work.— They are dressed in plain and neat uniforms, and worship part of the Sabbath day in the catholic, and part in the protestant church. An institution of a similar character for boys, and endowed also by the benevolent Poydras, is now in operation.

There are a number of other charitable institutions in this city of respectable character; and when the epidemic, yellow fever, visits it, the manner, in which the inhabitants bestow charity, and nursing and shelter and medical aid to the sick is worthy of all praise. A library, for the use of the poorer reading young men of the city, has been

instituted, and in the extent of her efficient and useful charities, New Orleans is not far behind her Atlantic sisters.— There are fewer churches in the city, than in any other town of the same size in the United States. There are two or three catholic places of worship, one presbyterian, and they are attempting the erection of a mariner's church, a baptist and a methodist place of worship, though neither of these denominations have buildings erected expressly, as places of worship. Very little observance of the Sabbath, as northern people estimate it, is seen in this city. It is well known, that the forms of the catholic worship do not here forbid amusements on the Sabbath. The French people fortify themselves, in defending the custom of attending balls and the theatre on the Sabbath, by arguing, that religion ought to inspire cheerfulness, and that cheerfulness is inseparably associated with religion.

No city in the United States contains such a variety of inhabitants from every state in the Union, and from every nation in Europe; and there are not a few from the Spanish country, and the islands. There is an astonishing contrast of manners, language and complexion. One half the population is black or colored. The French population probably as yet, predominates over the American. Among the Americans, the inhabitants of the city of New York seem to have the greater number, and there is more intercourse between New Orleans and New York, than any other American city. The intercourse with Havanna and Vera Cruz is great, and constantly increasing.

The French display in this city, as elsewhere, their characteristic urbanity and politeness, and are the same gay, dancing, spectacle-loving people, that they are found to be in every other place. There is, no doubt, much gambling and dissipation practised here, and different licensed gambling houses pay a large tax for their li-

cences. Much has been said abroad, about the profligacy of manners and morals here. Amidst such a multitude, composed in a great measure of the low people of all nations, there must of course be much debauchery and low vice. But all the disgusting forms of vice, debauchery and drunkenness are assorted together in their own place.—Each man has an elective attraction to men of his own standing and order.

Much has been said abroad, in regard to the unhealthiness of this city, and the danger of a residence here for an unacclimated person has been exaggerated. This circumstance, more than all others, has retarded the increase of this city. The chance of an unacclimated young man from the north, for surviving the first summer is by some considered only as one to two. Unhappily, when the dog star is in the sky, there is but too much probability, that the epidemic will sweep the place with the besom of destruction. Hundreds of the unacclimated poor from the north, and more than all from Ireland, fall victims to it. But the city is now well watered by noble water works; and is in this way supplied with the healthy and excellent water of the river. Very great improvements have been recently made and are constantly making, in paving the city, in removing the wooden sewers, and replacing them by those of stone. The low places, where the waters used to stagnate, are drained, or filled up. Tracts of swamp about the town are draining, or filling up; and this work, constantly pursued, will, probably, contribute more to the salubrity of the city, than all the other efforts to this end united.

The commerce of this city is immense, and constantly increasing. There have been counted in the harbor 1,500 flat boats at a time. Steam boats are coming and departing every hour, and it is not uncommon to see fifty lying

in the harbor at a time. A forest of masts is constantly seen along the levee, except in the sultry months. There are often five or six thousand boatmen from the upper country here at a time; and we have noticed thirty vessels, as being advertised for Liverpool and Havre at one time.—No place in the United States has so much activity and bustle of commerce, crowded into so small a space as this city in the months of February and March. During the season of bringing in the cotton crop, whole streets are barricaded with cotton bales. The amount of domestic exports from this city, in 1821, exceeded seven millions of dollars, being greater than that of any other city in the Union, except New York, and nearly equalling that. The greatest items that went to this amount, were sugar and cotton. The exports for the current year, probably, exceed ten millions of dollars.

The facilities of getting a passage from this city either to Europe, to Mexico, to the Atlantic cities, or to the interior are very great. You need seldom remain many days, without an opportunity to embark in any direction.—Steam boats are constantly advertising for Louisville, and all the different points on the waters of the Mississippi and Ohio; and a passage in the beautiful steam boats, that now ply on these waters, is both rapid, cheap and delightful.

The market ordinarily is cheap, and abundant; and by seizing the opportunities, the articles of life may be had as cheap, as in any other town in the United States.—Corn, potatoes, pork and flour are sometimes so low, as scarcely to pay the costs of transport from the upper country. The productions of all climes find their way hither; and for fruits and vegetables, few places can exceed it.—On a pleasant March morning, perhaps, half the city is seen here. The crowd covers half a mile in extent. The negroes, mulattoes, French, Spanish, and Germans are all

crying their several articles in their several tongues. In the midst of a confusion of languages, like that of Babel, '*un picalion un picalion*' is the most distinguishable tune. The number of stationary inhabitants is estimated at fifty thousand.

This city necessarily exercises a very great influence over all the western country. There is no distinguished merchant, or planter, or farmer in the Mississippi valley, but what has made at least one trip to this place. Here they witness acting at the French and American theatres. Here they go to witness at least, if not to take a part in the pursuits of the '*roulette*, and temple of fortune.' Here they come from the remote and isolated points of the west to see the '*city lions*' and learn the ways of men in great towns, and they necessarily carry back an impression, from what they have seen, and heard. It is of inconceivable importance to the western country, that New Orleans should be enlightened, moral and religious. It has a numerous and respectable corps of professional men, and issues a considerable number of well edited papers.

The police of the city is at once mild and energetic.—Notwithstanding the multifarious character of the people, collected from every country and every climate, notwithstanding the multitude of boatmen and sailors, notwithstanding the mass of people, that rushes along the streets is of the most incongruous materials, there are fewer broils and quarrels here, than in almost any other city. The municipal and the criminal courts are prompt in administering justice, and larcenies, and broils are effectually punished without any just grounds of complaint about the '*law's delay*.' On the whole we conclude, that the morals of those people, who profess to have any degree of self-respect, are not behind those of the other cities of the Union.

Donaldsonville, on the west side of the Mississippi, at the efflux of Lafourche, ninety miles above New Orleans, has a number of houses, and has been selected by the legislature, as the place for the future political capital of the state. Baton Rouge is on the east side of the Mississippi, 140 miles above New Orleans. It is pleasantly situated on the last bluff, that is seen on descending the river.— The site is thirty or forty feet above the highest overflow of the river. This bluff rises from the river by a gentle and gradual swell. The United States' barracks here are built in a fine style, and are supposed to be among the handsomest, and most commodious of that kind of works. From the esplanade the prospect is delightful, including a great extent of the coast, with its handsome houses and rich cultivation below, and commanding an extensive view over the back country at the east. The village is tolerably compact, and has a number of neat houses. The town itself, especially in the months when the greatest verdure prevails, when seen from a steam boat in the river, rising with such a fine swell from the banks, and with its singularly shaped French and Spanish houses, and its green squares, looks like a finely painted landscape. Its population is rated at 1,200.

St. Francisville is a considerable village, situated on the eastern shore of the river, and on a bluff a mile from its banks, is 160 miles above New Orleans. It is a thriving village of nearly the same size with Baton Rouge. A weekly paper is printed here, and Bayou Sarah, by which the town communicates with the Mississippi, is a noted stopping place for descending boats, and great quantities of cotton are shipped from it.

On the opposite shore is Point Coupee, a wealthy French settlement. Here the levee commences, and extends thence to New Orleans. Here lived, and died Mr

Poydras, celebrated for his wealth and benevolence. He endowed, as we have remarked, asylums in New Orleans, and left many other charitable donations; and among others the proceeds of a very considerable property to be distributed in marriage portions to a number of poor girls in the parish of Point Coupee, and in the adjoining parishes.

Galveztown is situated on Bayou Manshac, or Ibberville, not far from where it enters lake Ponchartrain.—Madisonville is a small village on the Chiffuncte, two miles from the north shore of lake Ponchartrain. It is a place of considerable summer resort from New Orleans, during the sickly months. There are a number of handsome houses of accommodation for such persons. A navy yard was attempted by the government on this river, a few miles above this village. Covington is a considerable village, seven miles above, on the Bogue Falaya, a branch of the Chiffuncte. It is the seat of justice for the parish of St. Tammany, and is the head of schooner navigation on the river. Considerable cotton is shipped from this place. General Jackson's road, reaching from lake Ponchartrain to Nashville, passes through this place. Like Madisonville, it is a place of resort for the citizens of New Orleans, during the sickly season.—Opelousas, the seat of justice for the parish of that name, is a rising village in the midst of a respectable and compact settlement, 270 miles north-west from New Orleans. A weekly gazette is issued from this place. St. Martinsville, on the west side of the Teche, is surrounded by a settlement of opulent planters. New Iberia is also on the west side of the Teche, and being at the head of schooner navigation, in a rich and flourishing country, must eventually become a place of importance.

On Red river, Alexandria, seventy miles from the Mississippi, and 150 from the mouth of the river. by its mean-

ders, is situated on the south bank of the river, a half a mile below the falls at the mouth of Bayou Rapide. It is central to the rich cotton planting country of Bayous Rapide, Robert, and Bœuf. It is the seat of justice for the parish, has a bank, issues a weekly paper, has a number of stores, and respectable attorneys and physicians. The site of the town is a beautiful plain, and the village is embosomed in China and other ornamental trees. Vast quantities of cotton are exported from this place.

Natchitoches is eighty miles above Alexandria, by the meanders of the river, and something more than sixty by land. The river is here divided into two parallel branches, and the town is on the south bank of the southern branch. It is the last town of any size, towards the south-western frontier of the United States, and is nearly fifty miles east of the Sabine, to which there is a good road from this place. The Spanish trade, for a considerable distance into the interior of the Mexican states, centres here; and it is the great thorough-fare for people going to, and returning from those states. The trade from them is chiefly in bars of silver, and horses and mules. We send them in return manufactured goods, groceries, spirits and tobacco. It is a very old town, having been established 100 years ago. There are many French and Spanish houses in it, and a considerable number of Spaniards still inhabit it.—It is a village, considerably larger than Alexandria. The population is American, French and Spanish; and has a sprinkling of Indian with it; and there is a singular mixture of all these races visible in the common people. There are many respectable families here; and the opulent planters have houses in the town, for the sake of society.—The people are excessively fond of balls and dancing. It has a respectable society, and a weekly newspaper, in French and English. The relations of this place with the im-

mense country on the river above, and with the interior of the Spanish country, must necessarily be extended. It is at present a growing place, and will one day become the largest town in this country, except New Orleans. It is beautifully situated on the shore of the river, and extends back to the pine bluffs, on which there are already built some beautiful houses. It is at the head of steam boat navigation. This place has experienced the successive regimes of the savages, the Spanish, French and Americans, and has had its war dances, its fandangoes, its French balls, and American frolics. The traces of the ancient grave yard are almost erased. Indians, Spanish, French, Americans, Catholics, and Protestants, lie here in mingled confusion. At two or three leagues, west of this town, is the ancient Spanish town of Adayes. We can, probably, see no where in the United States, so fair a sample of an ancient Spanish town, as in Adayes. The houses are of the construction of 100 years ago. A little old church, with three or four bells, some of them cracked, and some coarse paintings give the church an air, in keeping with the town. The inhabitants are all Spanish. Beyond this is the deep gully, called the Rio Hondo, which marked the limits of the Spanish claims east of the Sabine. Half way between Natchitoches and the Sabine is Cantonment Jessup, where are stationed two companies of United States' soldiers. The station is lonely, but pleasant and healthful. The water from the esplanade runs from its western slope into the Sabine, and from the other into Red river.

This region, being in the phrase of the country, 'the jumping off place,' the last point towards the Mexican country, it is not strange, that it should be the resort of desperate and wicked adventurers, who fly away from debt, poverty, the laws and a guilty conscience. Many

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lawless characters centre here; and while we write, a combination of a few Americans, who called their union by the imposing name of the 'Fredonian republic,' and who took possession of Nacogdoches, has been suppressed, and the members obliged to fly to the protection of our country.

On Bayou Bœuf there is a small village called Cheneyville. The town of Monroe is the seat of justice for the parish of Washita, and is situated on that river, as is also Harrisonville, the seat of justice for the parish of Catahoula. Monroe is about eighty miles north of Alexandria, in the centre of a rich cotton country, and has a weekly gazette.

Roads and Canals. We have already mentioned the canal Corondelet, which connects the city of New Orleans with lake Ponchartrain by the Bayou St John. It is two miles long, and perfectly straight. Where it terminates at the north of the city, there is a large and convenient basin, excavated entirely by art, and sufficiently large to hold a great number of vessels. It was dug at a great expense. Immense labor and expense were necessary to render the Bayou navigable, and especially its outlet to the lake, or what is called 'the pickets;' where a formerly impassable bar has been deepened, and prevented from forming again by the waves and the currents, by piles driven into the sand, and extended a considerable distance into the lake. A provision in the charter of this corporation allows them to extend the canal to the Mississippi. It is proposed to connect the Mississippi by Attakapas by a canal, and there is no country in the world, where nature has done more towards forming natural canals, which a little labor and expense would complete by artificial extensions. A great number of the Bayous only need to have the timber cleared out of them, to be navigable by steam boats.

When this state shall once have imbibed the spirit and feeling of the northern and middle states upon this subject, almost every cotton planter in the country will be able to ship his cotton on board a steam boat directly from his gin. The country being level, the roads, that generally run on the margins of the rivers and bayous, are for the most part good. When the roads diverge to any distance from the bayous and rivers, they soon touch the swampy soil, and in wet weather are intolerably deep, muddy and heavy.

Constitution and Laws. The constitution varies little from that of the other western states. The state senators are elected for four years, one fourth vacating their seats annually. They must possess an estate of a thousand dollars in the parish, for which they are chosen. The representatives have a biennial term, and must possess 500 dollars worth of property in the parish to be eligible. The governor is chosen for four years; and is ineligible for the succeeding term. His duties are the same, as in the other states, and his salary is 7,000 dollars a year. The judiciary powers are vested in a supreme and circuit court, together with a municipal court called the parish court.—The salaries are ample. The elective franchise belongs to every free white man of twenty-one years, and upwards, who has had a residence of six months in the parish, and who has paid taxes.

The code of laws, adopted by this state, is not, what is called the 'common law,' which is the rule of judicial proceedings in all the other states, but the *civil law*, adopted with some modifications from the judicial canons of France and Spain. So much of the common law is interwoven with it as has been adopted by express statute, and the criminal code is for the most part regulated by it. All the laws of the civil code purport to be written, and they are principally selected from that stupendous mass of legal

maxims and edicts, called the *Justinian code*. Parishes in this state nearly correspond to counties in the other states; and the parish judge under the civil code, and according to the judicial arrangements of this state, is one of the most responsible and important judicial functionaries.

It would, perhaps, be rather amusing, than useful to go into much detail, respecting the modes of administering justice under the French and Spanish regime. The commandant, or governor-general, was at the head of the judiciary and military departments. His code was the Roman law, or that of the Indies; and he represented the king. The department of finance was administered by an officer, called the *intendant general*. The officer of *procureur general* was one of high consequence; and his duties had an analogy to those of our prosecuting attorneys. But of all the tribunals of the Spanish in their colonies, the most important and popular was the *cabildo*. The *cabildos* awarded the decisions in common civil suits, and were a kind of general conservators of the peace. Subordinate ministers of justice to them were *alcalds*, *regidors*, *syndics* and *registers*. Subordinate to the department of finance were the *contadors*, *treasurer*, *interventor*, *auditor* and *assessor*. Most of these offices were venal, or acquired by purchase. The processes were simple, but rigorous, and summary; and many of their maxims of law seem to have been founded in the highest wisdom and equity. From whatever cause it happened, the yoke of their government always sat easy on the neck of the Anglo Americans, who lived under it, and they still speak of Spanish times, as the golden age. Crimes were rare. The forefathers of the present race of Creoles were a mild and peaceable race as are their descendents at the present day. The ancient inhabitants attached more importance to a

criminal prosecution, and felt more keenly the shame of conviction, than the inhabitants of the present day. Summary justice, the terror of the Mexican mines, or the dungeons of Havanna had their share, too, no doubt, in producing the spirit of submissive quietness, and subordination, that reigned among the people. The penal laws were not more sanguinary, than those of most of the states of our union. Only four crimes were declared capital. Persons sentenced to death, for the commission of those crimes, often remained long in the prisons of Cuba, either through the lenity, or caution of the officers of justice. The code, under which governor O'Reilly administered justice, is a most singular spécimen of jurisprudence. Among the most frequent crimes against which it provides, are crimes of lust committed by priests, or professed religious, and the heaviest punishments those annexed to those crimes.—There are enumerated some amusing cases, in which pecuniary mulcts are substituted for corporeal punishment in instances of conviction for these crimes.

Character. If any distinct national character can be predicated of the people of this state, it will apply with the same shades of difference to all the people of the southwestern states. We consider the Creoles generally a mild and amiable people, with less energy, and less irascibility, than the immigrants from the other states. The descendants of the French have all the peculiar and distinctive marks of that people in all countries. They have a great deal of mild vivacity, and have rather the ingenuity of successful imitation, than the boldness and hardihood of inventive minds. The parents of the present race were insulated from the rest of the world; were plunged in the woods; had no object of ambition; no political career before them; and they were content to hunt, make voyages in their canoes; smoke and traffic with the savages. Ma-

ny of them knew neither to read, nor to write. It is otherwise with their descendants. They are generally born to fortunes; have a career before them, and are early taught, to perceive the necessity of being educated; and the children of the French are now as generally instructed, as those of the Americans. They are fond of shows, the theatre, balls and assemblies; are extremely polite; and generally more sober and moral, than the Americans. The women are remarkable for becoming excellent wives and mothers; and are extremely domestic and economical in their habits. Many of the more wealthy planters cross the sea to spend the summer, and to educate their children in France. The American planters are generally high minded, irascible, social and generous; much addicted to the sports of the turf, and the gambling table. They are fond of hunting, and keeping large packs of dogs. Having overseers for the most part over their plantations, they have much leisure time on their hands, and are too apt to become dissipated. There is a rising spirit of literature, and a disposition to read among them, which will innocently, if not usefully, and happily employ many of the hours, that used to be spent around the gambling table. The people generally are averse to care and deep thinking, and profound impressions; and are volatile, gay, benevolent, easily excited to joy or sorrow, and the common maxim in a sickly climate, where life is precarious, is '*a short life and a merry one.*' There is a prevalent and fatal propensity to decide quarrels and even trivial disputes by duels; and many wanton and fatal duels occur, as one of the deepest stains upon the moral character of this people. In many respects no people are more amiable. They carry the duties of hospitality to great lengths, and extend the kindness of consanguinity almost as far, as the Scotch are said to do. The luxury of the table is carried to a great extent among

them. They are ample in their supply of wines; though claret is generally drunk. In drinking, the guests universally raise their glasses, and touch them together instead of a health.

No state in the Union has made more ample and munificent appropriations, according to its numbers, for the advancement of common school education. For this purpose 800 dollars are annually appropriated in every parish in the state. But the act of appropriation is darkly worded. The application of the appropriations is indistinctly defined; and it is much to be feared, that the generous purpose of the laws has not yet produced the fruits that were intended to grow from it. There are in the state a great many professional characters of high respectability. Social libraries are introduced into many of the villages. The improving spirit of the age is doing much for them. The rapid communication by steam boats brings the luxuries, comforts and improvements of society immediately to their doors, and along with them more refinement, a higher tone of thought, and better range of feelings. The influence of this order of things upon the moral habits of the planters is very perceptible, in introducing more liberal pleasures, more innocent modes of spending their time, and especially, and above all, more enlightened humanity and policy, in their ways of managing their slaves.

Religion. The catholic is the predominant religion of Louisiana. There are catholic churches in all the considerable villages. But there is, probably, less protestant worship, in proportion to the numbers, than in any other state in the Union. We know of but one presbyterian church in the state; and that is in New Orleans. The baptists have some societies; and the methodists have labored here with the same zeal, as in other places. They have a

number of societies, and some very respectable members in the state.

Touching the history of this state, we have nothing to add, to what has been given under the head of the general history of *the country*.

ARKANSAS TERRITORY.

GREATEST length, 500 miles. Medial length, 300. Breadth 240. It contains more than 50,000 square miles. Between 33° and 36° 30' N. latitude; and 13° and 23° W. longitude from Washington. Bounded North by Missouri and the territory beyond; East by the Mississippi, which separates it from Tennessee and Mississippi.—South by Louisiana, and the Mexican states. West by those states. It was erected into a territorial government in 1819, and is supposed now to contain the requisite inhabitants to form a state. The limits of this great region are strongly defined by physical and geographical lines.—These lines are for the most part large rivers, and the ocean of prairies beyond.

Face of the country. In this view Arkansas is an epitome of the world. For some distance up the waters of Arkansas and White rivers, the country is an extensive, heavily timbered, and deeply inundated swamp. Near the St. Francis hills and at Point Chico the eastern front along the Mississippi is above the overflow. The remainder of the eastern line is a continued and monotonous flooded forest. It has large and level prairie plains. It possesses a great extent of rocky and sterile ridges, and no inconsiderable surface covered with mountains. Perhaps no section of our country is more diversified, in regard to its surface. Its northern line is intersected by a

range of hills, which are commonly denominated '*the black mountains*,' a line of elevations running from Black river to the western extremity of the territory, and separating between the waters of White river and Arkansas.— There are ranges of hills, that have the name of mountains, which separate the waters of Arkansas from those of Washita. Near the Warm springs, these ridges spring up into elevated peaks, which in the eye of a visiter at the springs, from the level country of Louisiana, have the aspect of lofty mountains. At the south-western extremity of the territory, there are three parallel ranges of hills, that divide the waters of Red river from those of Washita. There are, also, many detached hills, and flint knobs. On some of these is found the whortleberry '*vaccinium*' of the north in great perfection and abundance. These hills exhibit red cedars and savines, such as grow on hills of a similar appearance on the Atlantic shore. In the central parts of the territory, and intermediate between Arkansas and Washita rivers, on the waters of the latter is that singular detached elevation, called 'Mount Prairie.' On the waters of White river and St. Francis the country generally is rolling. But, take the extent of the territory together, it is either very level or very hilly. In some places, the hills rise at once from level prairies and plains. A very considerable portion of the country is broken land, and unfit for cultivation. A great part of the 'barrens' of this state are what their name imports. There are four considerable detached bodies of good upland. But it may be assumed as a general fact, that the high prairies and timbered lands are sterile. That part of the course of the Washita, which runs in this territory, has narrow, though in some places rich bottoms. Here are cane brakes, birch, maple, holly, and muscadine grape vines. The tender soil on the banks is often torn away by the sweeping and rapid course of

the full river. Rugged hills, covered with stunted pines and cedars come in close to the river; and the valley is so deep, and its boundaries so abrupt, that the sun is seen but a few hours in the day.

There is a large tract of country, on the upper waters of White river, which has sometimes been denominated New Kentucky, either from its being fertile, rolling, and abundant in lime stone springs; or from its being more congenial to the staple products of Kentucky, than the country lower down. It is sheltered on the north by mountains. The fertile tracts are valleys embosomed between high hills; and the productions of the north and the south for the most part succeed in this soil. It has one great inconvenience. The streams, that run among its precipitous hills, receive the waters of the powerful showers that occasionally fall, and pour these waters from an hundred shelving declivities into the streams. They have been known to rise forty feet in perpendicular height, in a few hours. The standing corn and cotton is submerged; and the hope of the year destroyed.

Rivers. Red river has the greater part of its whole length of course in this territory. There is no other river, of equal length and importance, in our country, about whose sources and upper waters so little is known with exactness and certainty, as this river. It rises at the bases of a line of spurs of the Rocky mountains, called the Caous mountains, near to Santa Fe. Blue river and Fausse Ouachitta rise near the sources of the main river, and join it three or four hundred miles from its head spring.—There are a number of considerable nameless tributary streams below these principal branches. Some of them have courses of between one and two hundred miles.—The Pawnees are the principal inhabitants on this undescribed part of the river. Below their towns and the lim-

its of Louisiana come in Kiamesia, near which is situated the United States' garrison; Vasseux, and Little river of the north; and on the other side, Bois d' Arc and Little river of the south. The south bank of this river for a long distance is the boundary between the United States and the province of Texas. Every traveller has remarked, that this river at the Kiamesia, nearly a thousand miles from its mouth, is a broader, and apparently a larger stream, than at the point, where it mingles its waters with the Washita. The reason is, that in the hilly region of the prairies it rolls along in one channel a broad river, not pouring its surplus waters into bayous, or lakes. After it enters Louisiana, its whole course, as we have already remarked, is chequered on either hand with numberless bayous and lakes. We have already mentioned, that its waters are red, turbid, and unpotable, from the impregnation of salt mixed with it. Above the raft, it is a fine stream for steam boat navigation. The country on the American side is diversified with prairies, woodlands, hills and valleys, with a red colored soil. This region is healthy and pleasant. It is affirmed, that it produces good wheat, and even productive apple orchards. From the abundance of peccan and other nut bearing trees, it is a fine country for swine, and opens inviting prospects to immigrants.

Washita rises in mountainous prairies, about intermediate between Arkansas and Red river, not far from 34°.—The Fourche Caddo, Little Missouri, and Saline rise at no great distance from the sources of the principal stream.—It runsthrough a country, generally sterile and mountainous. Pine, and that species of oak, known in these regions by the name of pin oak, and generally denoting an inferior soil, are the most common kinds of timber. In the richer and the alluvial tracts are found the trees, common to that lati-

tude. That beautiful kind, called *Bois d' Arc*, is here found in greater abundance, than any where else in our country. In high stages of the water, it is navigable by steam boats, within a few miles of the Hot springs, that is to say, a distance from its mouth of nearly 600 miles. An hundred salines, some of which are strongly impregnated with salt, are found near the river. Its bottoms are very fertile, after it enters Louisiana. When it unites itself with Red river, it strikes the eye, as the larger one of the two.— It has a course of nearly eight hundred miles.

The principal river of this territory, whence it derives its name, and the next largest western tributary of the Mississippi, after the Missouri, is the Arkansas. The extent of this mighty stream, which is said to meander a long distance in the Rocky mountains, is commonly given at 2,500 miles. This is probably, an extravagant calculation. It is believed, that its distance from the point, where it has a volume of waters to entitle it to the name of river, to its entrance into the Mississippi, measuring its curves, is about 2,000 miles. In summer it pours a broad and deep stream from the mountains upon the arid, bare, and sandy plains. The sand and the dry surrounding atmosphere so drink up the water, that in the dry season it may be crossed, many hundred miles below the mountains, without wading as high as the knees. The tributary streams are far from being so well known, as to render them susceptible of an accurate description. The chief of them are the Verdigris, Negracka, Canadian fork, Grand river, Six Bull, &c. Some of them are remarkable for being impregnated with salt to such a degree, that we have tasted the waters of the main river so salt, as to be unpotable. The whole alluvial earth along the banks is so strongly impregnated with salt, as that the cattle sometimes kill themselves by eating it. For a distance of many hundred miles from its mouth, it receives

no tributaries of any length of course, owing to the configuration of the country, through which it passes, and to the vicinity of Red river and Washita on one side, and the Yellow stone, Kansas, and Osage on the other. When it has arrived within four hundred miles of the Mississippi, it begins to assume the character of Red river, in the numbers of its bayous and lakes. The belt of high land, between the river and the cypress swamps, is by no means so wide, as that on the other river. The alluvial soil is of the same color and qualities, though it is not generally so fertile. It has a broader channel, and generally a narrower valley. We believe, that it does not carry so much water; and the rapidity of its ordinary current is less. When it is full, its waters have a still deeper color. Its curves, that is to say, its *points* and *bends* are broader and deeper. It surpasses the Mississippi, or any river of the west in the perfect regularity of these, and in the uniformity and beauty of the young cotton wood groves, that spring up on the convex sand bars. In other respects, it has a surprising resemblance to Red river. Arkansas has decidedly the advantage in the extent of its navigation. In the spring floods, steam boats can ascend it nearly to the mountains. The first thirty or forty miles of its course, is through a heavy, inundated forest, with very little land sufficiently above the floods, to admit of cultivation. Forty or fifty miles by the course of the river above the Post, Bluffs, crowned with pine, come in to the river. Between that distance and the Post, only a narrow belt along the river is above the overflow; and even through this belt the river has torn great numbers of *crevasses*, through which in high floods its waters escape into the swamps. Directly beyond these belts are gum trees, and other vegetation denoting swampy soil. Beyond these are vast cypress swamps; and in all its course from the bluffs to the mouth, like Red river, it

has its net-work checquering of bayous and lakes. The lakes, on the subsidence of the river, are covered with vast leaves of the *Nymphaea Nelumbo*. The Bayous, when filled with the river waters, have the same curves as the river; and while the river is full, the same color; and, until we observe their want of current, might easily be, as they have a thousand times been, mistaken for the river itself.

White river has its sources in the ridge called the Black Mountains, which divides its waters from those of the Arkansas. Its northern and eastern branches almost interlock with the western ones of the Osage, Maramec, and St. Francis. The western branches rise, and run a long distance in Missouri. It enters this territory, at its north-western angle, and receives the very considerable tribute of Black river. The western branch is composed of Little Black, Currant river, Thomas' Fork, Red river, Spring river, Strawberry, and other streams, which run through a pleasant, healthy and fertile country, abounding in pure springs and brooks, and furnishing great numbers of mill seats. Spring river is remarkable for being formed, as its name imports, by the junction of numerous large springs, that gush out of the ground near each other, which form a stream, at once wide, and boatable, abounding in fish, and, from its never freezing near these springs in the winter, being visited by great numbers of water fowls.—Below the junction of the western branch, the main river receives Red river, *Eau Cachee*, Big creek, and some others. It is called in its Indian appellation by a name denoting White river, from the transparency of its waters, compared with those of Arkansas and the Mississippi. It is uncommonly circuitous in its course, winding three, or four hundred miles to make one hundred in direct advance towards its *debouche*. It meets the inundation of

the Mississippi a great distance from its mouth, and makes the remainder of its course through a deep swamp.

About seven miles from its mouth is a lateral bayou, apparently of the width of the river itself, which runs out of the river almost at right angles to its course. This bayou flows, through a deep and inundated forest, six, or seven miles, and unites with the Arkansas. It is not boatable in the latter part of the summer; but in moderate stages of the water is universally used by boats descending the Mississippi, and intending to ascend the Arkansas, in order to reach that stream. It strikes that river thirty miles above its mouth. In this bayou the current sets from one river to the other, according as the flood of one preponderates over that of the other. It is 300 yards wide at its mouth. Its reputed boatable length is 1,200 miles; and its course is so sinuous, that in this length it only makes 500 miles of direct distance. Its upper and middle courses are through a delightful country of hills and valleys, rich alluvious and pure mountain streams, abounding in limestone, gypsum, stone-coal, and iron ore. The soil in many places compares with the best parts of the western country. From its abundant timber, its useful fossils and earths, its mill streams, salubrity and facilities for a manufacturing region, it will, probably, one day become the seat of the manufactures of this country. Its sheltering line of mountains on the north, and its frequent and precipitous hills secure it from the influence of the sharper winter air of the Missouri country above; and cause, that in many places, on the bottoms of this river and its tributaries, cotton is successfully cultivated, as a crop.

St. Francis rises in Missouri. It is formed from two main branches, which form their junction just within the northern limits of this territory. The eastern branch has its source below Cape Girardeau, and but a few yards from

the bluff banks of the Mississippi. It receives the White Water from the German settlement, in the county of Cape Girardeau in Missouri, and creeps for a great distance through what is called the '*Big Swamp*' between Cape Girardeau and the mouth of the St. Francis. In this course it passes within ten or twelve miles from New Madrid. From this point to the mouth of the river, a distance of about 300 miles, it used to be boatable by large keel boats; and, as its current was much gentler than that of the Mississippi, which, in this distance, is peculiarly swift and difficult of ascent. Boats for New Madrid used to enter the mouth of the St. Francis, and work up that river to a portage, about twelve miles back of that place, and thence cart their goods to that town. The great earthquakes of 1811 and '12 completely obstructed the channel, and inundated its waters over the banks to find their way in wide plashe through the swamp. A vast number of lakes and irreclaimable sunken swamps, along the valley of this river, were created at the same time. It is still navigable in high waters nearly 200 miles. There is a respectable settlement about seventy miles up this river.— Its waters, notwithstanding it passes through such an extensive country of swamps, are remarkably pellucid. It abounds in fine fish; and we have no where, except in Louisiana, seen finer sport for the angler, than in the St. Francis. In the high lands on the banks of this river, there are many delightful and healthy positions for farmers, who desire such a medial climate. It has the disadvantage of being intermediate between the wheat and the cotton country; but it is believed, that it would be an admirable country for the vine, and the silk worm. It is remarkable, that this river is the northern limit of the muscadine grape in its natural state. There are a number of inconsiderable tributaries to the Arkansas, and streams, that

have short courses, and empty into the Mississippi on the Arkansas shore, that are not here enumerated.

Soil and Productions. The territory of Arkansas is the northern limit of the cotton growing country. The rich lands on the Arkansas bring cotton of the same staple and luxuriance, as those of Red river; but, having a season somewhat shorter, it can not ripen so well. Nevertheless, the planters here assert, that even here they can raise more, than their hands can 'pick out,' as the phrase is; consequently they affirm, that they lose nothing by the shortness of their season. We have seen as large cotton growing at Bairdstown on the Arkansas, as we have seen in any other place. Cotton becomes an uncertain crop north of the river St. Francis. As we ascend the Arkansas towards the high table prairies, the temperature diminishes more rapidly, than would be indicated by the latitude; and cotton ceases to be a sure crop a little beyond 34° in that direction. It is at present the staple article of cultivation. The rich lands bring fine maize, sweet potatoes, and the vegetables generally of Mississippi and Louisiana. In the high country above 34° wheat does well. Rye and Barley will thrive almost in any parts of the country. Mulberry abounds; and on the bases of the precipitous hills of White river, we would suppose, would be the happiest soil and climate for the vine. Muscadine, and *pine wood's grapes* abound; as do pawpaws and persimons. Figs are raised, but with difficulty; and the tree is often killed to the ground by the frost. Peaches are raised in great excellence and abundance. Apple orchards do well at Mount Prairie, and in the open and high lands above Peccan Point on Red river; and no doubt, will thrive in all the higher and more northern regions of this territory. In the lower and more settled parts of it they have no where succeeded well. Chickasaw and prairie

plumbs grow wild in abundance; and the woods and prairies abound in native fruits and berries.

The soil is of all qualities from the best to the most sterile. The settlement of Point Chico, on the Mississippi, has a soil of the best quality; and is noted for the productiveness of its cotton plantations. The bottoms of the Arkansas are not generally as rich, as those of Red river.—The belt of cultivated land below the Post of Arkansas, called 'the coast,' does, indeed, somewhat resemble the delightful country so called above New Orleans in appearance. The resemblance ceases here. It has a soil of but moderate richness; and needs manuring to produce large cotton, or Indian corn. To one, emerging from the inundated and mephitic swamps below, this line of open, contiguous plantations, dotted with beautiful clumps of the fine trees of this climate, and French habitations, which generally have a very picturesque appearance, this tract, called '*the coast*,' has a charming appearance. There is a great extent of cotton lands of the first quality, in the country along the river, above the Post, in the 'Quawpaw purchase.' The country, five or six hundred miles up the Arkansas, where the American garrison used to be, and that, where it now is, and the country, where the Arkansas mission is settled, have large prairies interspersed with forest bottoms, and great extents of excellent soil. There is much fine country in this territory above Peccan Point on Red river. Mount Prairie, which rises, like a prodigious Indian mound, from the subjacent plains, may be reckoned among the striking spectacles of the country. It is ten or twelve miles in diameter; and is situated on the waters of the Washita. It has a soil of great fertility, and of the blackness of ink; rather exposed, however, to 'bake,' as the phrase is, in the hot and dry weather. They obtain water from wells, which are obliged to be dug of very great depth.—

In the whole depth vast quantities of sea shells appear.— In a state of pulverization they are mixed with the soil, communicating a mawkish and unpleasant taste to the water, and very great fertility to the soil. On White river are some of the finest lands and the healthiest sites for planters in this country. In short this territory possesses great bodies of the best soil. There are vast tracts, too, of precipitous knobs, sterile ridges, sandy, or muddy prairies, and miserable barrens. The country on the Mississippi, between White river and St. Francis, is in many places above the overflow, and of the highest fertility. Wappa-nocka bottom, opposite Memphis, is an uncommonly high, rich and extensive bottom. The soil on the St. Francis is very fertile; and is covered with a heavy growth of beech, generally denoting a rich soil; but the hills are so precipitous, and exposed to wash as hardly to be susceptible of cultivation. On the whole, this territory has a sufficiency of excellent lands, to become a rich and populous state.— In its eastern front, and near the Mississippi and the Arkansas, it is exposed to excessive annoyance from its myriads of musquitos.

Climate and Salubrity. This climate is a compound of that of Missouri and Louisiana. Until we advance 200 miles west of the Mississippi, in its humidity it more nearly resembles the latter. The season, in point of the forwardness of vegetation in the spring, is, also, much more like that of Louisiana. The season of planting is three weeks later, than on the coast above New Orleans; and is more than that in advance of the climate of Missouri.— The distribution of rain is extremely unequal. We witnessed drenching rains and thunder every day, for thirty-six days in succession. At other times, it is as remarkable, for having long droughts. Planting of corn commences by the middle of March, and cotton by the first of April.

By this time the forests of the Arkansas are in full leaf; and the shores of no river show a deeper tangle of vines near the soil, and of nobler forest trees above.

The shores of Arkansas, as far up as Little Rock, are decidedly unhealthy. Great tracts on all sides are covered with sleeping lakes and stagnant bayous. The country is a dead level. The falling waters of the rains can not be drained off. In the commencement of summer they are exposed to the intense ardors of the sun. Sickness is the natural result. On the vast prairie, which commences just above the Post, and extends ninety miles up the country, it is more healthy; and there is less annoyance from the mosquitoes. This long sweep of country is thoroughly ventilated. But the air, in the timbered bottoms, is close, and unelastic; and the mosquitoes are excessively troublesome. There is but too often an abundant visitation of bilious and remittent fevers in the latter part of summer and the first of autumn. Farther up the country and on the open prairies, it is as healthy, as in any other country in the same climate. It is a very absurd idea, that a country of the extensiveness of this should all be alike sickly. In this territory there are many positions, but a few miles apart, one of which may be as sickly as the shores of Surinam, and the other as healthy, as any country in America.

Settlements. The chief settlements on this river are at Point Chico. On the banks of the Arkansas, at Mount Prairie, at Peccan Point, on Red river, at Mulberry, 600 miles up the river, between the mouth of White and St. Francis rivers, the White river, and St. Francis settlements. They are, as most of the settlements in the southern countries are, from the configuration of the country, in isolated and detached situations, generally with great extents of unsettled country intervening.

Civil Divisions.

<i>Counties.</i>	<i>Whites.</i>	<i>Free blacks.</i>	<i>Slaves.</i>	<i>All others.</i>	<i>Total.</i>
Arkansas,	1076	6	178	0	1206
Clark,	970	0	70	0	1040
Hempstead,	1753	12	481	2	2248
Lawrence,	5073	29	490	10	5602
Miller,	917	0	82	0	999
Philip,	1052	0	145	4	1201
Pulaski,	1738	12	171	2	1923
	<hr/> 12,579 <hr/>	<hr/> 59 <hr/>	<hr/> 1617 <hr/>	<hr/> 18 <hr/>	<hr/> 14,273 <hr/>

Chief Towns. The Post is a small village on the north bank of the Arkansas, about fifty miles above its mouth. The position is a kind of bluff bottom, on a fine bend of the river. The soil is poor, but the situation is pleasant. The overflow of White river approaches within a short distance of the Arkansas; and the swamps of both rivers can be seen from the court house below the village at the same time. Directly above the village is a bayou occasionally inundated. The descent of the bench, on which the village is situated, to this bayou, is marked with some of those striking red pillars of earth, where the lighter soil has been washed away, and left these singular columns of clay standing. The same appearances are seen elsewhere on the Arkansas. The inhabitants of the Post and its vicinity are chiefly the remains, or the descendants, of the first settlers; and they are for the most part of French extract. The population can not exceed 600 in the village and the country round it. The seat of government is at a point about 300 miles by the course of the river, and little more than half the distance by land above the Post. It is on the south bank of the river, on a very high stone bluff, ludicrously called Little Rock, from the prodigious masses of stone about it. The situation is healthy, and pleasant,

and the circumstance of its being the metropolis has caused a village to spring up here. It is called Acropolis. There are a number of incipient villages, in the places where the county courts are held, in other parts of the territory; but none, that merit the name of town, if we except a growing village above the mouth of White river. From this place outfits are made by boats, preparing to ascend White river and the Arkansas. It is also noted, as a steam boat landing.

Among the curiosities of this country may be mentioned the vast masses of sea shells, that are found dispersed over different tracts of this country. They are generally found in points remote from lime stone; and answer a valuable purpose to the inhabitants, who collect, and burn them for lime. Far above the political limits of the territory, and towards the sources of the Arkansas, is the sublime elevation, which we hope will always retain the name of Pike's mountain. The prairies are bounded in that direction by the stupendous ridges of the Rocky mountains. There are very considerable mountains near the Warm Springs. These springs are among the most interesting curiosities of the country. They are in great numbers. One of them emits a vast quantity of water. The ordinary temperature is that of boiling water.—When the season is dry, and the volume of water emitted somewhat diminished, the temperature of the water increases. The waters are remarkably limpid, and pure; and are used by the people, who resort there for health, for culinary purposes. They have been analyzed, and exhibit no mineral properties beyond common spring water. Their efficacy then, for they are undoubtedly efficacious to many invalids, that resort there, results from the shade of adjacent mountains, and from the cool and oxygenated mountain breeze; the conveniences of warm and tepid

bathing; the novelty of fresh and mountain scenery; and the necessity of temperance, imposed by the poverty of the country, and the difficulty of procuring supplies. The cases, in which the waters are supposed to be efficacious, are those of rheumatic affection, general debility, dyspepsia, and cutaneous complaints. The common supposition, that they are injurious in pulmonary complaints, seems to be wholly unfounded. It is a great and increasing resort for invalids from the lower country, Arkansas, and the different adjoining regions. During the spring floods of the Washita, a steam boat can approach within thirty miles of them. At no great distance from them is a strong sulphur spring, remarkable for its coldness. In the wild and mountain scenery of this lonely region, there is much of grandeur and novelty, to fix the curiosity of the lover of nature. There are no houses of accommodation, but temporary sheds. The visitants spend their time in walking, hunting, and playing cards. Two miles from the springs is the famous quarry of stone, called *oil stone*. Stones from this quarry are already extensively known, and used in the western country, for the same purposes as the Turkey oil stones. The point of possession of this extensive and valuable quarry is a matter in litigation.

The mountains in the vicinity of these springs are probably volcanic. The inhabitants affirm, that they have heard noises in the neighborhood of the mountains, like those which attend volcanic eruptions. There are many volcanic appearances about them; though none of recent eruption. Messrs. Hunter and Dunbar explored this country, and published a detailed account of its geological formation. It exhibits many mineral appearances; though no ores, but those of iron, have been detected.

Indians. The Quawpaws, intermixed with many fugitive Chactaw Indians, reside on the Arkansas not far

above the Post. That portion of the Cherokee nation, which has immigrated west of the Mississippi, has its chief settlements on the Arkansas. Beyond this territory on White river are congregated the Shawnees and Delawares, that have emigrated from Ohio and Missouri. Above the Cherokees, on the Arkansas, are the Osages; and still higher are the Pawnees. In the vast waste of prairies, that interposes between this territory and the Rocky mountains, roam different tribes of Indians, among which are often seen, Indians from the Mexican country, who come here to hunt the buffalo.

History. This territory was erected out of that of Missouri, in 1819; and soon passed into what is called the second grade of territorial government. Many of the recent settlers were turbulent and unmanageable spirits.—There seems to be a strong tendency in American laws and institutions to create docility and habits of peace.—The laws are administered among these people, strangers to the country and to each other, as quietly, in most instances, as they are in the more populous and regulated regions. The inhabitants about the Post are for the greater part what are here called the ‘old residents,’ and were inhabitants of the country in Spanish times. Many anecdotes of great interest might be given of individuals of the Spanish and Indians, under the Spanish regime. But they are necessarily excluded from the limits of this work. The Spanish and French at early dates in the history of this country, had establishments on the Arkansas; and they had a settlement at the Post, more than half a century ago. No settlement, from its commencement down to this day, has been marked with fewer incidents.

We give, as an appendix to this brief view of this territory, extracts from the western papers of letters by travelers through the wide waste of prairies beyond it, and over the Rocky mountains to the Western sea. These extracts will have the more interest—as the country beyond this territory and that of Missouri is already traversed by frequent cavalcades from the United States, in pursuit of a lucrative and growing trade between our country and New Mexico.

‘We reside one mile and a half south of the Missouri, and two hundred west of St. Louis, and as I believe, in the most fertile and beautiful part of the United States. Our country is all open prairie; no timber except on the Missouri and other streams, and salt water in all directions and in great abundance. Cattle are very numerous and cheap. Sheep thrive, and I presume will become numerous, as they are not subject to any prevailing complaint as yet, and one remarkable advantage they enjoy, that there is no such thing known here as sheep lice, so injurious in many places. Hogs are fine, though sometimes troubled with the quinsy, which is here cured by boiling corn in water and ashes so strong as to form a good lye. The horses are excellent and of great variety. Mules and asses are numerous, particularly since our intercourse with the Spaniards; they generally sell at twenty to thirty dollars. Beef cattle are sold at one dollar the hundred weight, on foot; great numbers are driven from this, to different parts of the country.—Some go to the state of Ohio, and from thence, perhaps to Philadelphia and New York.

‘The Missouri has been very high. About ten days ago it was flowing very generally over the bottoms, and has destroyed many fields of corn, potatoes, &c. In May of last year, it also did great damage. The original settlers were of the opinion that it seldom overflowed its low banks, say ten or twelve feet, and that the annual fresh was the fore part of June; but since I have been acquainted with the river the annual fresh has always been in July; though it was very high this year in June, it was much higher the latter

end of July. We have had but little rain this summer till lately. Some few shocks of earth-quake have been slightly felt in some places about the first of July, which, I presume, might have been the signal of an eruption in the snowy mountains, and this probably produced the uncommon height of the river. That there are volcanoes up this river is beyond all doubt, as pumice stones are to be found in all the great drifts on the river by any person who will look for them; some are very large, and they are of various colors, &c.

Bees are in great plenty out of the settlements, and were so here in the first establishment, but they are getting scarce. Honey, however, can be had here in abundance at twenty-five cents the gallon in the fall of the year. Deer and wolves are still numerous, some elk, &c.; but the buffalo are driven off, perhaps 150 miles, where they still exist in great numbers. Muskrats and otter are plenty in all the streams and ponds, and some few beaver still remain.

The trade to the Spanish country still affords great advantages to our citizens. Several have become rich by it, and by what I see and hear, I believe their profits increase. The number of purchasers from a distance is greater yearly. There have lately arrived 500 mules, and asses, besides large sums of money and a considerable quantity of furs owned by some of our neighbors. They met with but few Indians and no interruption whatever. The distance from here to Santa Fe, is less than 700 miles, all one open prairie country. Wagons, dearborns, and some good carriages go there yearly, and with great ease. They have no roads to open, nor to repair. Indeed, from here to the Pacific ocean is one entire plain. I mean, clear of timber—and by going through the Spanish country, not very broken.

Our country abounds with grapes. Many are very good; generally of the fall grape as they are termed in Pennsylvania. We have no fox grapes, except what have been brought here; they thrive well. Wild fruit, crab apples and plums are far larger and better than I have seen elsewhere. We have fish here in great plenty and some very good. Missouri is the fountain for cat fish, as it is always muddy, and they are very different from yours; they are large and delicious, and fat almost beyond belief.

Some are so large that I dare not mention their weight. I suppose you have often heard, and perhaps more than was true.

'We have a great variety of animals in the prairies; some of which are altogether unknown eastward. Badgers are common, catamounts, and a kind of squirrel; it is all spotted and speckled like a guinea hen, and about the same color. These squirrels live in the ground altogether, and are never known to be in timber. Another animal, very common and destructive, is the gopher, about the size of a large rat, and has a large pouch at each side of his mouth. Rats are large beyond your calculation; they are very destructive, and perhaps natives of this country for thousands of years. We have the same kind of fox squirrel that is common with you, and one fact respecting them is worthy of observation, that from the east side of the Alleghany mountain to the west of the Wabash river, there is no such squirrel to be found. Snakes are not very numerous; there are several kinds that I have never seen any where else. We have three kinds of rattle snakes; a small black kind, another exactly like your copperhead, and a third like that which is common in Pennsylvania. All have rattles and are very poisonous.'

* * * * *

'Shortly after writing to you last year, I took my departure for the Black Foot country much against my will, but I could not make a party for any other route. We took a northerly direction about fifty miles, where we crossed Snake river, or the South fork of Colombia, at the forks of Henry's and Lewis's; at this place we were daily harassed by the Blackfeet: from thence we went up Henry's or North fork, which bears north of east thirty miles, and crossed a large rugged mountain which separates the two forks; from thence east up the other fork to its source, which heads on the top of the great chain of Rocky mountains which separates the waters of the Atlantic from those of the Pacific. At or near this place heads the Luchkadee, or California Sinking fork, Yellow Stone, South fork of Missouri and Henry's fork; all those head at one regular point; that of the Yellow Stone has a large fresh water lake near its head on the very top of the mountain, which is about one hundred by forty miles in diameter, and as clear as crystal. On the south border of this lake are a number of hot and boiling springs, some of water and others of most beautiful

fine clay, resembling a mush pot, and throwing particles to the immense height of from twenty to thirty feet. The clay is of a white, and of a pink color, and the water seems fathomless, as it appears to be entirely hollow underneath. There, is, also a number of places where pure sulphur is sent forth in abundance. One of our men visited one of these, whilst taking his recreation, there, at an instant, the earth began a tremendous trembling, and he with difficulty made his escape, when an explosion took place resembling that of thunder. During our stay in that quarter, I heard it every day. From this place by a circuitous route to the north-west we returned. Two others and myself pushed on in advance, for the purpose of accumulating a few more beaver, and in the act of passing through a narrow confine in the mountain, we were met full in the face by a large party of Blackfeet Indians, who, not knowing our number, fled into the mountain in confusion; we retired to a small grove of willows, where we made every preparation for battle—after which, finding our enemy as much alarmed as ourselves, we mounted our horses, which were heavily loaded, and took the back retreat. The Indians raised a tremendous yell, showered down from the mountain top, and almost cut off our retreat. We here put whip to our horses, and they pursued us in close quarters, till we reached the plains, when we left them behind. On this trip one man was fired on by a party of Blackfeet; several others were closely pursued.

‘On this trip I lost one horse by accident, and the last spring two by the Utaws, who killed three for the purpose of eating them, one of which was a favorite Buffalo horse. This loss can not be computed at less than four hundred and fifty dollars. A few days previous to my arrival at this place, a party of about 120 Blackfeet approached the camp and killed a Snake Indian and his squaw.—The alarm was immediately given, and the Snakes, Utaws and whites sallied forth for battle—the enemy fled to the mountain, to a small concavity thickly grown with small timber surrounded by open ground. In this engagement the squaws were busily engaged in throwing up batteries and dragging off the dead. There were only six whites engaged in this battle, who immediately advanced within pistol shot, and you may be assured that almost every shot counted one. The loss of the Snakes, were three killed, and the same number wounded; that of the whites, one wounded and two

narrowly made their escape; that of the Utaws was none, though they gained great applause for their bravery. The loss of the enemy is not known—six were found dead on the ground; a great number besides were carried off on horses. To-morrow I depart for the west.’

END OF VOLUME FIRST

CONDENSED
GEOGRAPHY AND HISTORY
OF THE
WESTERN STATES,
OR
THE MISSISSIPPI VALLEY.

BY TIMOTHY FLINT,
AUTHOR OF "RECOLLECTIONS OF THE LAST TEN YEARS IN THE
MISSISSIPPI VALLEY."

'SALVE MAGNA PARENS.'

IN TWO VOLUMES.

VOLUME II.



Cincinnati:

WILLIAM M. FARNSWORTH, PRINTER.

1828

DISTRICT OF OHIO, TO-WIT:

BE IT REMEMBERED, that on the nineteenth day of October, in the year of our Lord, one thousand eight hundred and twenty-seven, and in the fifty-second year of the Independence of the United States of America, TIMOTHY FLINT of said District, hath deposited in this office the title of a book, the right whereof he claims as author and proprietor in the words and figures following, to wit:

"A condensed Geography and History of the Western States, or the Mississippi Valley, by TIMOTHY FLINT, author of "Recollections of the last ten years in the Mississippi Valley," "Salve Magna Parens," in two volumes."

In conformity to the Act of the Congress of the United States of America, entitled, "An Act for the encouragement of learning, by securing the copies of maps, charts and books, to the authors and proprietors of such copies, during the times therein mentioned," and also of the act, entitled, "An act supplementary to an act entitled an act for the encouragement of learning, by securing the copies of maps, charts and books to the authors and proprietors of such copies, during the times therein mentioned, and extending the benefit thereof to the arts of designing, engraving, and etching historical and other prints."

Attest, WM. KEY BOND,

Clerk of the District of Ohio.

THE
GEOGRAPHY AND HISTORY
OF THE
WESTERN STATES.

TENNESSEE.

MEDIAL length, 400 miles; medial breadth, 120. Between 35° and $36^{\circ} 36'$, N. latitude, and $4^{\circ} 30'$ and $13^{\circ} 20'$ W. longitude. Bounded East by North Carolina.—South by Georgia, Alabama and Mississippi; West by the river Mississippi. It was originally included in the state of North Carolina, from which it was separated, and admitted into the Union, as an independent state, in 1796.

Face of the country. In this respect this state is, probably, more diversified than any other in the western country. The Cumberland mountains range through it in an oblique direction, dividing it into two distinct sections, called East and West Tennessee. In East Tennessee, the Alleghanies branch out into a great many ridges. Among these the most lofty are Cumberland and Laurel ridge.—Stone, Yellow, Iron, Bald and Unaka are different peaks of a continued chain. Welling's and Copper ridge, and Clinch, Powell's and Bay's mountains are at the north-east of the state. It is singular that all these mountains have a dip towards the west, apparently surpassing that of their eastern declivity. Mountains and hills occupy a very great proportion of the state. There can be nothing

of grand and imposing in scenery, nothing striking and picturesque in cascades and precipitous sides of mountains, covered with wood; nothing romantic and delightful in deep and sheltered valleys, through which wind still and clear streams, which is not found in this state. Even the summits of some of the mountains exhibit *plateaus* of considerable extent, which admit of good roads, and are cultivated and inhabited. The mountains and hills subside, as they approach the Ohio and Mississippi. On the valleys of the small creeks and streams are many pleasant plantations, in situations beautiful, and yet so lonely, that they seem lost among the mountains. These valleys are rich, beyond any of the same description elsewhere in the western country. The alluvions of the great streams of Tennessee and Cumberland differ little from those of the other great streams of the West. As great a proportion of the cultivable land in Tennessee is first rate, as in any other of the western states. The soil in East Tennessee has uncommon proportions of dissolved lime, and nitrate of lime mixed with it, which gives it an uncommon share of fertility. The descending strata in West Tennessee appear to be arranged in the following order: first, loamy soil, or mixtures of clay and sand; next, yellow clay; thirdly, a mixture of red sand and red clay; and lastly, a sand, as white, as is seen on the shores of the Atlantic. In the southern parts of the state are immense banks of oyster shells, of a size, that in some instances, the half weighed two pounds. They are found on high table grounds, far from the Mississippi, or any water course, and at a still greater distance from the gulf of Mexico.

Earths, Fossils and Salts. Beautiful white, grey and red marbles are found in this state. Inexhaustible quarries of gypsum, of the finest quality, abound in East Tennessee, in positions favorable to be transported by the boat-

able waters of the Holston. Burr millstones are quarried from some of the Cumberland mountains. Beautiful specimens of rock chrystals are sometimes discovered. One or two mines of lead have been worked; and iron ore is no where more abundant. Salt springs abound in the country; though few of them are of a strength, to justify their being worked. Nitrous earth is very abundant; and any quantity, required in the arts, might be made from the earth of the *salt petre caves*.

These caves themselves are among the most astonishing curiosities in the country. One of them was descended, not long since, it was judged, four hundred feet below the surface; and on the smooth lime stone at the bottom was found a stream of pure water, sufficient to turn a mill. A cave, on an elevated peak of Cumberland mountain, has a perpendicular descent, the bottom of which has not yet been sounded. Caves, in comparison with which, the one so celebrated at Antiparos is but a slight excavation, are common in this region of subterranean wonders. The circumstance of their frequency prevents their being explored. Were there fewer in number, we might, probably, amuse our readers with accurate descriptions of the noblest caves in the world. As it is, little more of them is known, than that they abound with nitrous earth; that they spring up with vaulted roofs, or run along for miles, in regular oblong excavations. A cave, which may be descended some hundred feet, and traced a mile in length is scarcely pointed out to the traveller, as an object worthy of particular notice. Some of them have been traced ten miles in extent; and taking into the account their parallel chambers, and lateral windings, much farther.

Climate and Productions. The climate of this medial region, between the northern and southern extremities of the country, is delightful. Tennessee has a much milder temperature, than Kentucky; and in West Tennes-

see great quantities of cotton are raised ; and the growing of that article is the staple of agriculture. Snows, however, of some depth are frequent in the winter. But the summers, especially in the more elevated regions, are mild ; and have not the sustained ardors of the same season in Florida and Louisiana. Apples, pears, and plums, which are properly northern fruits, are raised in great perfection. The season of planting for maize, in the central parts of the state, is early in April. In elevated and favorable positions, it is believed, that no part of the United States is healthier. In the low valleys, where stagnant waters abound, and on the alluvions of the great rivers, the same causes produce the same effects here, as elsewhere.

Almost all the forest trees of the western country are found within the limits of this state. The laurel tribes are not common. Juniper, Red cedar, and Savine are seen on the numberless summits and declivities of the mountains. Cotton, indigo, corn, whiskey, hogs, horses, cattle, flour, gun powder, salt petre, poultry, bacon, lard, butter, apples, pork, coarse linen, some hogsheds of tobacco, and various other articles constitute the loading of boats, that come down the Cumberland and the Tennessee ; and these articles are produced in great abundance. Cotton, of a certain quality, is known by the name of Tennessee cotton, in all places, where American commerce has reached.—We have no doubt, that in sheltered situations figs might be raised in perfection, and in the open air. The present outlets of the commerce of the state are the Cumberland and Tennessee rivers. As we have remarked of Tennessee valley in Alabama, the contiguous divisions of this state are so much nearer the gulf of Mexico by the Alabama, that there can be no doubt, that the enlightened and enterprising people will, before long, make canals, which

shall connect the waters of the Tennessee with those of the Alabama and Mobile; and thus shorten the very circuitous present communications of this state with the gulf of Mexico to one third of their present distance.

Rivers. We have already described the Tennessee, and its principal branches, under the head of Alabama.—It may not be amiss to repeat, that it rises in the Alleghany mountains, traverses East Tennessee, and almost the whole northern limit of Alabama, enters Tennessee, and crosses almost the whole width of it into Kentucky, and thence empties into the Ohio. Its whole course, from its fountains to that river, is longer than that of the Ohio from Pittsburg to its mouth, being, by its meanders, nearly 1,200 miles. It is by far the largest tributary of the Ohio; and it is a question, if it do not contribute as much water, as the main river. It is susceptible of boat navigation for at least a thousand miles. It enters the Ohio thirteen miles below the mouth of the Cumberland, and fifty-seven above that of the Ohio. Its head branches in East Tennessee are Holston, Nolachucky, French Broad, Tellico, Richland, Clinch, Big Emery, and Hiwassee rivers. In its whole progress, it is continually receiving rivers, that have longer or shorter courses among the mountains. The principal of these are Powell's, Sequalchee, Elk and Duck rivers.

The Cumberland rises in the Cumberland mountains, in the south-east part of Kentucky, through which it has a course of nearly 200 miles. It has a circuit in Tennessee of 250 miles; and joins the Ohio in the state of Kentucky. Its principal branches, in this state are Obed's river, Carey's Fork, Stone's, Harpeth, and Red rivers. It may be remarked, that most of the tributaries of this and Tennessee rivers rise in the mountains, and are too shallow for boat navigation, except in the time of floods. Occasional freshets occur at all seasons of the year, in which flat boats can be floated down to the main river, to await the stage of

water, when that, also, shall be navigable to New Orleans. We have already mentioned, in our account of the Mississippi, the streams, which enter that river on the western boundary of the state. They are Obian, Forked Deer, Big Hatchee and Wolf rivers. These rivers form important boatable communications from the interior of that large and fine district of country, 'the Jackson purchase,' with the Mississippi. It would form but a barren catalogue of barbarous words, to give the names of all the rivers, large and small, that water this state. No part of the western country is better watered. It is a country of hills and mountains, and mountain streams, and beautiful valleys.

Civil Divisions.

<i>Counties.</i>	<i>Whites.</i>	<i>Free blacks.</i>	<i>Slaves.</i>	<i>All others.</i>	<i>Total.</i>
Anderson,	4,295	24	349	0	4,668
Bedford,	12,334	88	3590	0	16,012
Bledsoe,	3616	28	361	0	4005
Blount,	10,154	54	1050	0	11,258
Campbell,	4093	35	116	0	4244
Carter,	4484	6	445	0	4835
Claiborne,	5101	30	377	0	5508
Cock,	4400	15	468	0	4893
Davidson,	12,066	189	7899	0	20,154
Dickson,	3861	24	1305	0	5190
Franklin,	12,338	66	4167	0	16,571
Giles,	9272	25	3261	0	12,558
Granger,	6796	199	656	0	7651
Greene,	10,465	30	829	0	11,324
Hamilton,	766	16	39	0	821
Hardman,	1317	9	136	0	1462
Hawkins,	9308	310	1331	0	10,949
Hickman,	5371	9	700	0	6080
Humphries,	3522	3	542	0	4067
Jackson,	6734	100	750	0	7593
Jefferson,	8030	31	892	0	8953
Knox	11,686	83	1285	0	13,034
Lawrence,	3066	1	204	0	3271

Lincoln,	12,502	5	5000	0	12,761
M'Minn,	1452	18	153	0	1623
Marion,	3719	2	167	0	3898
Maury,	15,820	49	6420	52	22,141
Montgomery,	7431	65	4663	0	12,219
Nease,	2351	22	156	0	2529
Morgan,	1630	0	46	0	1676
Overson,	6431	32	665	0	7128
Perry,	2161	0	223	0	2384
Rhea,	3858	23	334	0	4215
Roane,	7025	56	814	0	7895
Robinson,	7379	39	2520	0	9938
Barthensford,	14,165	200	5187	0	19,552
Sevier,	4469	13	290	0	4772
Shelby,	251	0	103	0	354
Smith,	13,938	88	3554	0	17,580
Stewart,	6997	48	1352	0	8397
Sullivan,	6083	96	839	0	7015
Sumner,	18,701	148	2502	0	19,211
Washington,	8506	72	979	0	8587
Wayne,	2387	0	72	0	2459
Warren,	9385	13	950	0	10,348
White,	7981	127	593	0	8701
Williamson,	13,583	75	6972	0	20,640
Wilson,	14,724	162	2944	0	16,730
	<hr/> 340,867	<hr/> 2737	<hr/> 79,157	<hr/> 52	<hr/> 422,813

Agriculture, Produce and Manufactures. Taking the whole produce of the state in one view, cotton is the staple article of growth. But the soil and climate rear all the products of Kentucky, in ample abundance; and as neither in the staple of the cotton, or its amount, can they compete with the more southern states, and taking into view the great depression of the price of that article, it is hoped, that the hardy and intelligent farmers of this great state will turn their attention to some other articles of cultivation, particularly the silk mulberry, the vine, and the

raising of bees, for which the soil and climate of this state seem to be admirably fitted. Wheat, rye, barley, spelts, oats, Indian corn, all the fruits of the United States, with the exception of oranges and figs, grow luxuriantly here. In East Tennessee, considerable attention is paid to raising cattle and horses, which are driven over the mountains to the Atlantic country for sale. In 1820, the number of persons employed in agriculture was 109,919; and in manufactures 7,860. The amount of articles manufactured was estimated at between four and five millions of dollars.—The principal articles were iron, hemp, cotton and cordage. The exports have hitherto been by the way of New Orleans. Some of the articles of the growth of this state are sent to the head waters of the Ohio, and recently some have been wagoned across the ridges to the waters of the Alabama, and have found their way to the gulf by Mobile. Nearly one thousand persons are employed in conducting the commerce of the state.

Chief Towns. Murfreesborough is the political metropolis of the state. It is situated on Stone's river, thirty-two miles south-east from Nashville; it contains about fourteen hundred inhabitants; is central to the two great divisions of the state, and is surrounded by a delightful and thriving country.

Nashville is the commercial capital of the state, and by far the largest town in it. It is very pleasantly situated on the south shore of the Cumberland, adjacent to high and fine bluffs. Steam boats can ordinarily ascend to this place, as long as they can descend from the mouth of the Cumberland to that of the Ohio. It is a place, that will be often visited, as a resort for the people of the lower country, during the sultry months. Scarcely any town in the western country has recently advanced with more rapid strides. It has a number of handsome private mansions,

and respectable public buildings. The several objects of pursuit are followed here with industry and spirit. It is the seat of a college, which has a respectable chymical and philosophical apparatus and library, and a rising reputation. It is estimated to contain at present, rising of six thousand inhabitants; and is, after New Orleans, Cincinnati, and Pittsburg, the next largest town in the western country.

Knoxville, the chief town of East Tennessee, is situated on Holston river, four miles below its junction with French Broad. It is supposed to contain 3,000 inhabitants; has considerable manufactures, a respectable seminary of learning, and is a pleasant and thriving place.

The following are considerable villages, containing from 500 to 1,500 inhabitants. Blountsville, Rogersville, and Rutledge on Holston river. Tazewell, Grantsborough and Kingston, on Clinch river; Jonesborough, Greenville, Newport, Dandridge, Sevierville on French Broad and its waters; Marysville, Washington, Pikeville, Madison, Winchester, Fayetteville, Pulaski, Shelbyville, Columbia, Vernon and Reynoldsburg on the Tennessee and its waters. Montgomery, Monroe, Sparta, Carthage, Gallatin, Lebanon, M' Minnville, Jefferson, Franklin, Haysborough, Charlotte, Springfield, Clarksville on the Cumberland and its waters.

Memphis, nearly on the line between this state and Mississippi, as we have already remarked, occupies the site of fort Pickering. It stands on one of the noblest bluffs of the Mississippi, proudly elevated above that river, and its fine opposite bottoms. A beautiful rolling country surrounds it in the rear. A remnant of the tribe of the Chickasaws resides near it. The inhabitants of this village used to be chiefly of mixed blood. Since it has taken such an imposing name, the town has made consider-

able progress, and from its intermediate position between the upper and the lower country, and from its being the point of general traverse from Tennessee to the vast regions on the Arkansas, Washita and Red river, there can be no doubt, that it will ultimately become a considerable place. It is one of the places on the Mississippi, which passing steam boats generally honor with the discharge of their cannon, as they ascend the river by it.

Natural Curiosities. This would easily swell to a copious article. We have already touched on the singular configuration of the lime stone substrata of this country, from which it results that there are numberless extensive cavities in the earth. Some have supposed, that these hollows are extended under the greater part of the surface of the country. Springs and even considerable streams of water flow in them, and have subterraneous courses. Caves have been explored at great depths for an extent of many miles. They abound in singular chambers, prodigious vaulted apartments, and many of them, when faintly illuminated with the torches of the visitors, have a gloomy grandeur, which no description could reach. The bones of animals, and in some instances human skeletons have been found in them. The earth of these caves is generally impregnated strongly with nitrate of lime, from which any quantity of gun-powder might be made.

On some spurs of the Cumberland mountains, called the enchanted mountains, are marked in the solid lime stone footsteps of men, horses, and other animals, as fresh, as though recently made, and as distinct, as though impressed upon clay mortar. The tracks often indicate, that the feet, which made them, had slid, as would be the case in descending declivities in soft clay. They are precisely of the same class with the impress of two human feet found in a block of solid lime stone, quarried on the

margin of the Mississippi. The manner in which they were produced is utterly inexplicable.

Tennessee is abundant in petrifications and organic remains. Near the southern boundary of the state are three trees entirely petrified. One is a cypress, four feet in diameter. The other is a sycamore and the third is a hickory. They were brought to light by the falling in of the south bank of the Tennessee. A nest of eggs of the wild turkey were dug up in a state of petrification. Prodigious claws, teeth, and other bones of animals are found near the salines. A tooth was recently in the possession of Jeremiah Brown, Esq., which judge Haywood affirms, measured a number of feet in length, and at the insertion of the jaw was eight inches broad. At a sulphur spring, twelve miles from Reynoldsburg, was found a tusk of such enormous dimensions, as that it is supposed to weigh from one to two hundred pounds. It is shining, yellow, and perfectly retains the original conformation. Near it were found other bones, supposed to belong to the same huge animal. It is calculated from the appearance and size of the bones, that the animal, when living, must have been twenty feet high. Logs and coal, both pit and charcoal are often dug up in this state, at depths from sixty to one hundred feet below the surface. Jugs, vases, and idols of moulded clay have been found in so many places, as hardly to be deemed curiosities. Walls of faced stone, and even walled wells have been found in so many places, and under such circumstances, and at such depths, as to preclude the idea of their having been done by the whites of the present day, or the past generation. In this state as well as in Missouri, burying grounds have been found, where the skeletons seem all to have been pigmies. Even the graves in which the bodies were deposited, are seldom more than two feet, or two feet and a half in length. To obviate the objection,

that these are all bodies of children, it is affirmed that these skulls are found to possess the *dentés sapientie*, and must have belonged to persons of mature age.

There are a great many beautiful cascades in Tennessee. One of the most striking is that, known by the name of the '*falling water*.' The cascade is eight miles above its junction with the Caney fork, and nearly fifty miles from Carthage. For some distance above, the river is a continual cataract, having fallen, in a little distance, 150 feet. The 'fall,' or perpendicular leap, is 200 feet, or as some measure it, 150 feet. The width of the sheet is eighty feet, and the noise is deafening. Taylor's creek fall is somewhat greater than this. It is differently estimated from 200 to 250 feet. The descent to the foot of the rock is difficult and dangerous; but the grandeur of the spectacle richly compensates the hazard. The spectator finds himself almost shut out from the view of the sky, by an overhanging cliff, between 300 and 400 feet high.—The stream before him, falling from the last rock in sheets of foam, almost deafens him with the noise. A considerable breeze is created by the fall; and the mist is driven from the falling spray, like rain. Twenty yards below this, on the south side, is the most beautiful cascade, of which the imagination can conceive. A creek, six or eight feet wide, falls from the summit of an overhanging rock, a distance of at least 300 feet. The water, in its descent, is divided into a thousand little streams, which are often driven by the wind, in showers of rain, for a number of yards distance.

Much discussion has ensued, and much useless learning been thrown away, touching some silver and copper coins, found some years since, at a little distance below the surface, near Fayetteville, in this state. One of the silver coins purports to be of Antoninus and the other of Com-

modum. The earth under which the copper coins were found, was covered with trees, which could not be less than 400 years old. There can be no doubt, that such coins were found; and there seems some difficulty, in supposing them to have been deposited, merely to play upon the credulity of some virtuoso. But, as such deceptions have been known to be practiced, in some instances, we offer it as a possible solution of the difficulty of their being found there.

The paintings, that are found on some high, and apparently inaccessible rocks, in this state, have been mentioned as curiosities, ever since it has been visited by white men. The figures are of the sun, moon, animals and serpents; and are out of question the work of former races of men. The colors are presented as fresh as though recently done, and the delineations in some instances are vivid and ingenious.

A curious appearance, so common to the people of the country, as no longer to strike them with wonder, is the immensely deep channels, in which many of the streams of this country run. Descending many of them, that are large enough to be boatable, the astonished voyager looks up, and sees himself borne along a river running at the base of perpendicular lime stone walls, sometimes three or four hundred feet high. The view is still more grand and surprising, when the spectator looks down from above; and sees the dark waters rolling at such prodigious depths below him, in a regular excavation, that seems to have been hewn from the solid lime stone, on purpose to receive the river.

Constitution. This has no essential difference of feature from that of the other western states. In the legislature the number of representatives bears a given proportion to the number of taxable inhabitants, and the number

of senators must never be more than one-half, or less than one third of the number of representatives. To be eligible, as members of either house, the person must have resided three years in the state, and one in the county; and be possessed of 200 acres of land. The governor is elected for two years; and is eligible six years out of eight. He must be twenty-five years of age; must have resided in the state four years, and must possess 500 acres of land, to be eligible to that office. The judiciary is divided into courts of law and equity. The legislature appoints the judges, to hold their office during good behaviour. All free men twenty-one years of age, and who have resided in the county six months preceding the election, possess the elective franchise.

Schools. There are three institutions in the state, which bear the name of colleges; one at Nashville; one at Knoxville, and one at Marysville. The Cumberland presbyterians are making great efforts to rear a theological institution, in which to train young men for their worship. The college at Nashville has been amply endowed, and under a learned president, gives promise of yielding ample aid to the literature of the state. Academies and common schools are increasing, and the people seem to be awakening to a sense of the importance of education to the preservation of our republican institutions.

History. As Tennessee is one of the oldest and most important of the western states, it seems right, that we should enter with something more of particularity into the events of its first settlement and progress. She has already swarmed her tens of thousands of emigrants into the newer states and territories; and especially into Illinois and Missouri. Although in fact but of yesterday herself, she claims precedence among these younger members of the confederacy, as a common mother. The territorial limits

between this state and Virginia were settled by commissioners from each state in 1803. Disputes existed between this state and Kentucky, respecting the extent of the state line, which were happily adjusted in 1820, when her limits were fixed, as they are given at the head of our account of this state.

In 1730, this fine country was all a vast forest. From various causes it had been long deserted by the Indians; and in the fertile bottoms and grassy barrens, game left to increase unmolested, had become abundant. To hunt in this unoccupied and beautiful country had become a lucrative business. Many of the first settlers were drawn here to pursue this object. The ancient maps of the western country enable us to judge of the situation of places at the time that France claimed the whole country south of Canada, between the Mississippi and the Alleghany mountains. French forts are represented on these maps, as standing, one at the mouth of the Kentucky river; one on the south bank of the Ohio; another on the north side of the Ohio, at the mouth of the Wabash; one near the junction of the Ohio with the Mississippi; one at the Chickasaw bluffs; one on the east bank of Red river; and one at the junction of the Coosa and the Tallapoosa, called Alabama, after the name of the river. On the head waters of the Tombeckbee, they had, also, a fort called *Thoulouse*. Five leagues up the Tennessee they had another. One, situated at the mouth of the Kenhawa, was called Shawnee. One, not a great way above the mouth of the Illinois, was called *Creve Coeur*; one, half way up the Illinois is marked by the name French Fort, and one on the north-western extremity of lake Michigan. This was part of that famous plan of posts, and connected lines of defences by which it was the French policy to hold this vast and fertile country in subjection. In 1755, the Cherokees, at that

time a powerful tribe, were in alliance with the French, and of course hostile to the English. In 1756, a treaty was made, both with them and the Catawbias, on the condition that we should build a fort in the country of each tribe; and the motive alleged was, that they were for the defence of the women and children, when they were absent on their expeditions. With this view fort Loudon was built for them, in 1757. A garrison was placed in this fort; and the Indians offered bounties of land, to induce artizans to come and settle in the vicinity. The remembrance of a three years' war was not immediately erased; and the Cherokees still manifested such symptoms of hostility, that colonel Bird was sent among them. He built and garrisoned two forts, one of them on the river Holston, opposite the upper end of Long island, in which forts his army wintered, in 1758. The fort on the Holston was beautifully situated. At this time there was not another white settlement on that river. But after the building of the fort, the reports, which were circulated, of the fertility of the soil, and the abundance of game, led some persons to settle between them, before the breaking out of the Cherokee war, which commenced in 1759. The circumstance which gave rise to this war, was the taking some horses by the Indians, which belonged to the new white settlers; to replace those which the savages had lost, during the preceding war with France, in which they had joined us. The white settlers seized their horses again; and either killed, or made prisoners of the warriors, that had taken the horses. Thus was opened a vast field for the exercise of those terrible acts of ferocity, for which savages are so famous. The frontiers of Virginia and North Carolina were terribly ravaged with the flames and the tomahawk, as is customary in such cases.

Fort Loudon was situated on the north side of Little Tennessee, a mile above the mouth of Tellico, in the centre of the Cherokee country. It had a small garrison.—The Indians besieged it; and the garrison was compelled to surrender for want of provisions. They were to be allowed to retreat to the white settlements, beyond the Blue ridge. All of them, but nine, fell by indiscriminate massacre. Between two and three hundred men, women and children were slain. This event, so memorable in the first settlement of Tennessee, took place in 1760.—In 1761, colonel Grant led a strong force into their country and compelled them to sue for peace. A treaty was the result. In consequence of this war, the only settlement, which had been made in the vicinity of fort Loudon, was deserted. The treaty renewed the confidence of the immigrants from Pennsylvania and Virginia, who had deserted the country. They, and others associating with them, returned to the country, with the purpose of renewing their projects of hunting and settlement. They settled in East Tennessee. These men gave those names to the chief mountains and rivers, which have been retained since that time. The names ‘Cumberland and Laurel’ were given by them in affectionate remembrance of their native mountains. The mass of hunters and adventurers continued to advance, step by step, and broaden their circle, setting the example of American settlers in the wilderness, in all subsequent periods. They soon penetrated the interior, of what is now called East Tennessee.

In 1764, Daniel Boone, the patriarch of settlements in the western forests, made an excursion from North Carolina into the woods of Tennessee. In 1766, colonel Smith, with some friends, traversed a great portion of West Tennessee. They descended to the mouth of Tennessee and Cumberland rivers, on a trip of discovery. They saw

no white people in these regions. In 1768, an exploring party came into this country from Virginia. They spent some months, traversing it in all directions. But they found on their return, that the country, which had so recently been a wide wilderness, was no longer so. Most of the fertile spots, in eligible situations, had been occupied. The first permanent settlements were made in East Tennessee, in the winters of 1768, and 1769. The settlers came from Virginia and North Carolina. At this time Daniel Boone joined them. The settlements continued to increase, until 1774, and 1775, when an extensive purchase of land from the Indians was made by a company. There was among these settlers the usual mixture of respectable and trifling people; and they were impelled to form these new establishments by the usual mixture of motives. But even those desperate characters, that had fled from debt and the laws, were of use here; for they stationed themselves on the frontier of this remote and unprotected settlement, and became a barrier between it and the savages. The inhabitants who had fixed themselves nearest the limits of Virginia, placed themselves under the government of that state; and those that were nearest to Carolina, threw themselves under the protection of its laws. But the troubles, which were just commencing in the Atlantic country, prevented the parent region from being able to extend efficient protection to these remote and feeble establishments in the wilderness. In 1774, the Shawnees, and other confederated Indians from the north of the Ohio, made an excursion into that part of this country, which is now called Sullivan county. They were met by the people of the country, aided by a few regular troops, and were attacked with a spirit, which had the effect to put a stop to their incursions, until 1776. The purchase which has been mentioned above, was not agreeable.

to all the Indians. It was particularly disagreeable to a chief among them, called *Oconnostata*. He made a very animated speech against it. It was not, however, heeded by the Indians.

In 1776, the Indians of these remote regions began to feel the effects of the revolutionary troubles in the Atlantic country; and commenced their customary depredations. The people of Virginia and North Carolina sent such troops, as they could spare, who were aided by the people. This force exercised vigilance and unanimity; and in some cases anticipated the attacks of the Indians. At this time it was, that the united settlements sent delegates to the convention that established the district of Washington.—The name of captain John Sevier is one, that occurs often in the early history of this state. In 1774, he had held the commission of captain under earl Dunmore, governor of Virginia; and in 1777, governor Caswell, of North Carolina, gave him the commission of lieutenant colonel of the Washington regiment of militia under colonel Carter. A battle was fought, in June 1776, between the force of the inhabitants united with the soldiers from Virginia, and the savages, at a place called Long-island Flats, which was a great advantage to the settlers; not only because victory declared in their favour, without the loss of one man; but as it gave them confidence in themselves, in demonstrating, that they were able to compete with the savages; and by showing to the hostile Cherokees what they might expect, in the issue of a battle, if they continued to practice their hostilities.

Notwithstanding this lesson, the Cherokees not only continued to manifest a hostile spirit, but assaulted the forts; and murdered every person, who was so imprudent, or so unfortunate, as to be found alone. Aroused by the story of burning and murder from these infant settlements, Vir-

ginia, notwithstanding her pressure at home, ordered colonel Christian, with a respectable force, to march into the heart of the Cherokee settlements. His force amounted to 1,800 men. They found no Indians, until they arrived at a town called Tamotlee. The Indians did not dare to look this force in the face; and sued for peace. It was agreed, that the Indians should enter into a treaty on the May following. Until that time, it was stipulated, that hostilities should cease on both sides, with the exception of two Indian towns, near which a prisoner had been burned. This enormity had been practised upon a young son of Mr. Moore, who had been captured on the Watauga. The excepted towns were burned, and the army returned to quarters. The Indians were awed; but notwithstanding their fears, and the promise of a treaty, they still showed manifest intentions to inflict all the injury they could.

In 1777, an arrangement was brought about between the states of North Carolina, Virginia and the Indians. A definitive boundary was settled for the country, which is now called Tennessee. It was then supposed to belong to those states. The Indians at this time professed to be in treaty with us; but they frequently murdered the settlers, when they found them unprotected and alone. This year, the district of Washington was made a county. Courts were organized, and a land-office opened, in which great quantities of land were entered. That tribe of the Cherokees, that lived on the creek, called Chicamauga, and that were called by that name, had always been hostile to the whites, and had never entered heartily into the treaties between the settlers and the Indians. By the addition of a number of hostile tribes on the Ohio, their numbers were increased to a thousand warriors. In 1779, they began openly to attack the frontiers from Georgia to Pennsylvania. A force was sent against them from North

Carolina and Virginia. This force came upon the Indians by surprize, who fled without giving battle. The soldiers pursued them, burned their villages, and destroyed their crops. This event happened at the same time, that the British governor, general Hamilton, was captured by general Clark at Vincennes. These two coincident events restored peace to the western settlements for a time. During this interval of repose and security, such numbers of people settled in Tennessee and Kentucky, that the British and Indians were never afterwards able to break up the settlements. Another county was constituted by the name of Sullivan.

In 1779, the Cherokees began to commit outrages again. The dispute, which was now fiercely agitated in the Atlantic country, between the colonies and Great Britain, became, by the instigation of the British, the mean of bringing on a general Indian war. A deep feeling, that every thing was at stake, caused the western people to act with great energy: and they often inflicted strong and summary acts of justice. From the misfortunes of the American army in South Carolina, great exertions were required on the part of the frontier people, to guard against the Indians, who were attacking them in every direction. They had to exert all their efforts at the same time against the British, who were triumphantly overrunning the southern states.

SETTLEMENT OF WEST TENNESSEE.

In 1767, West Tennessee began, as East Tennessee had been, to be the temporary home of hunters. Even before this, some French people had settled, where Nashville now stands. They kept a station there for some time. There was another French station at the same time on the Tennessee, about forty miles above its mouth. There was one

also at fort Massac on the Ohio. A detachment of these hunters, in 1769, penetrated as far as the foot of the mountains on *Roaring river*. They there deposited the proceeds of their hunt. They found no signs of human habitation, or cultivation. Some of their number were killed by southern Indians, who were travelling to the north.— They had traversed a country covered with high grass.— They discovered many of the caves, that are so well known at the present day. By the borders of creeks they found stones set up, apparently as burial monuments, over great masses of human bones.

In the year 1770, some members of this party set out with the proceeds of their hunt, on a trading expedition, intending to advance as far, as fort Natchez. As they descended the Cumberland, near the place, where Nashville now is, they discovered the French lick, where they saw great herds of buffalos, and other kinds of game.— They attained the objects of their journey, made a profitable trip, and returned home in safety. In 1776, with a number of others associated with them, they came again to West Tennessee to hunt. Among them was an old man, like Boone, passionately fond of hunting, and roving in the woods. He had so far lost the sight of his eyes with age, that the only way in which he could take sight at the buffalos and deer, was to tie a piece of white paper to the muzzle of his gun. In this way he killed a number of deer. This old man strayed from the encampment, lost himself in the woods, and was absent nineteen days. He survived the extreme cold, hunger and exhaustion, and the perfect helplessness, in which he was found. He recovered, and killed a number of deer afterwards. Such men of iron, were the pioneers of civilization in the west.

The country was often scoured by hunting parties; but no permanent settlements were yet made. One of a hunt-

ing party was killed, in 1777, by a wounded buffalo from a herd; of which he had killed, and wounded a great many. A small field of corn was planted in 1778, near Bledsoe's lick; and in 1779, there were a number of families settled permanently there. They built and inhabited stockaded forts. These were formed by arranging connected lines of log cabins into a hollow square. Nashville had its share of these settlers. A number of immigrants embarked in a boat, which they called '*The Adventure*,' on the Holston, intending to descend that river and the Tennessee; and then to ascend the Ohio and the Cumberland, to where Nashville now is. They reached this place; but suffered severely on the way. They were frequently fired upon by the Indians, and they suffered much from hunger. When they first visited that portion of the country, that surrounds Nashville, there were no marks of former habitation. The country round French lick, which had formerly been called '*the old field*,' was a large tract of ground, that had been thoroughly trampled by buffalos, and beaten with numberless paths; as if situated near the resorts of numerous herds of domestic cattle. Though there were no traces of former habitation on the surface, they found in digging round the springs great numbers of graves, and the appearance of walls enclosing ancient habitations. Sometimes these walls had entrenchments added to them; and were so capacious, as to include ten acres.

In 1780, the settlers were first attacked by the Indians. The attacking party were Delawares. Between 1780 and 1781, was fought the famous action of King's mountain, in which the first settlers of Tennessee and Kentucky had so glorious a share. Lord Cornwallis had overrun the southern states, and all was confusion and dismay, in those regions, among the friends of the United States. Major

Ferguson, a famous British partizan, marched with a force nearly two thousand strong, upon the mountains, that separate North Carolina from Tennessee. His object was at once to punish the whigs, who had either killed, or imprisoned a number of peculiarly obnoxious tories, and to encourage the tories, or loyalists, as they were called, by way of courtesy, to come forward and join the king's standard. Colonel Arthur Campbell, colonel Isaac Shelby, and colonel Sevier, commanded the forces of the mountaineers and backwoods men. There had been a number of severe skirmishes between these partizan corps, in which the Americans generally had the advantage.

The American forces, commanded by colonel M'Dowell, were attacked by major Ferguson, who had been strengthened by the addition of a large body of loyalists, and a strong reinforcement of British regulars. The engagement took place near Enoree river. It was severely fought, but in the end the British retreated, leaving a considerable number of dead, and more than 200 prisoners. The prisoners alone equalled one third of the number of the American forces. This advantage was more than balanced by the general panic and discouragement, that ensued upon the defeat of general Gates and colonel Sumpter by the British. Major Ferguson was at Gilbertstown, in North Carolina, with 2,000 men. In the vicinity were more than 500 tories ready to join him. In this emergency the mountaineers, animated by the earnest persuasion of colonel Shelby, to strike on the enemy, while they were within striking distance, determined to attack them, although they were scarcely half their numbers.—The mountaineers pursued Ferguson with 910 mounted riflemen. After pursuing him, in a drizzling rain, for thirty-six hours, without alighting from their horses but once for refreshment, in the whole distance, the pursuers

came upon him encamped on King's mountain, a table eminence, five or six hundred yards in length, and seventy yards wide. Colonel Sevier commanded the right wing; colonel Campbell's and colonel Shelby's regiments composed the centre. The right wing was led to battle by colonel Sevier, and major Winston; the left, by colonels Cleveland and Williams. The attack was commenced by the two central columns, as they were attempting to gain the eastern acclivity of the mountain. The battle at this point was furious and bloody. Columns on each side repeatedly gave way, and were as often cheered again to the contest. Towards the latter part of the action, the enemy made a fierce and gallant charge upon the American troops on the eastern summit of the mountain, and drove them almost to the foot of it. The Americans were again rallied, and returned to the charge; and the enemy in their turn gave way. The enemy was driven down the western declivity of the mountain, and forced into a disorderly mass. Colonel Campbell pressed upon them with his regiment, killing all that came in his way; and pouring in his deadly fire upon the crowded mass. The British rallied again, and came upon the Americans with fixed bayonets. Few actions on record have been more hotly contested.—Ferguson formed his troops into columns, as a last effort, and attempted to cut his way through the assailants. In the attempt he was shot dead. The fire from the Americans had become so hot and fatal, that the British were no longer able to sustain it. They laid down their arms, and were made prisoners. Colonel Campbell received the highest and most honorable testimonials of gratitude from the legislature of Virginia. The general assembly of North Carolina voted similar testimonials to colonel Shelby, and colonel Sevier; the one a patriarchal soldier and settler of Kentucky, and the other of Tennessee. In

this action the mountaineers and their gallant leaders gained imperishable honors, which their countrymen to the third and fourth generation will not forget. Colonel Williams, from Ninety-six, was the only distinguished officer, that was mortally wounded. Fifteen hundred stands of arms were taken. The commander and 150 of the enemy fell on the field; and 610 were made prisoners. Only 440 escaped. The issue of this most gallant action had an effect far beyond its influence upon the people in the immediate vicinity. The drooping spirits of the people east of the mountains were again animated with the flush of hope. Lord Cornwallis, hearing of Ferguson's total defeat by the mountain riflemen, immediately paused in his victorious career, and retreated to Winnsborough, a distance of between seventy and eighty miles.

The effect of this battle upon the settlers west of the mountains was, also, highly auspicious. It repressed every incipient disposition to favor the loyalists. The rumour soon reached the Indians; and it effectually awed, and repressed them. Toward the close of 1781, the Cherokees and Chickasaws sued for peace. A land office was opened in 1783, and prospects were cheering for the settlers for a time. But the Indians soon re-commenced on the settlers of West Tennessee a war of extermination; for they killed them, wherever they found them.—The settlers that escaped into the forts, were disheartened, and many of them went to Kentucky and Illinois. Those who remained, confined themselves to two fortified stations. They suffered from a variety of causes, but chiefly from want of provisions. Their supplies were principally from hunting. Large parties of men hunted together in a state of preparation for battle; until they had succeeded, in obtaining a sufficient supply of game for the garrison. A part of this distress was owing to a complete failure of the

crop for the season, owing to an inundation. When persons were compelled to leave the forts, four or five went together, always under the most vigilant watch, with arms in hand, and placed back to back. In this way they were enabled, with more safety, to scour the neighboring woods, and guard against the Indians, that might be lurking in them. Those, who survived all these horrors, until 1782, were enabled, by a law of that year, to claim the land, which they had settled and cultivated by pre-emption rights. In this year, North Carolina established courts of equity in all the districts of the state. With the close of the war of the revolution, the Indians became less troublesome; and a number of new settlers from North Carolina were added to West Tennessee. But though the return of peace with Great Britain brought back confidence and hope for the future, the savages still continued their ravages from time to time.

In 1784, North Carolina passed a law, the purport of which was to make a cession of the country, which now constitutes the state of Tennessee, to the congress of the United States, if they would accept of it at the end of two years; and, meanwhile, that North Carolina was to retain jurisdiction over it, until congress took possession. The people of the new country were under great apprehensions, that pending this negotiation, they should not only have to contend single handed, with the Indians; but that they would be entirely deprived of the benefit of the laws and courts both of North Carolina and congress, until the end of the two years. It was vital to them, in their present emergency, that they should be able legally to assemble their militia. Accordingly they chose a committee, that appointed a convention of deputies, who enacted, that the laws of North Carolina, as far as they were compatible with the condition of the new region, should continue in force; that

they should send a memorial to congress, requesting that body to recognize the cession act, and to afford them countenance, to form themselves into an independent state.— They then drew up a plan of the association, which they had formed. They say, that the management of their political affairs shall be entrusted to a convention, chosen by the people; and that they shall choose a delegate to congress to attend to their affairs. They promised to cultivate dispositions of benevolence and virtue, and discountenance every thing opposed to good morals. For the faithful performance of the conditions, they pledged their lives and fortunes.

This step, with the measures, that naturally grew out of it, created divisions among the people. Views and wishes differed widely, as regarded the desired constitution; and as happens in such cases, the smaller the matters, upon which the difference turned, the more fierce and determined was each party in adherence to its own opinions.— One party contended, that as North Carolina had promised to repeal the act of cession, as she shortly after did, they ought to restore their allegiance to that state. But after the grievances were redressed, a majority of the people expressed a wish not to return under the laws of that state. A second convention met at Jonesborough, and commenced deliberations. Each county had elected five deputies. Mr. Sevier, whose name has already been mentioned, was the deputy from Washington. The significant name of Frankland was given to the new state.— They announced to North Carolina, that they considered themselves independent of her. The new government was immediately pushed into operation. But causes of disagreement thickened upon its very birth. The governor of North Carolina, along with the reasons, which the inhabitants of Frankland had given for their separation

from that state, published his manifesto and replies to them. The convention sent a memorial to congress with their new constitution by a person delegated for that purpose. Congress took no manner of notice of their proceedings; and the delegate was obliged to return without effecting any thing.

In 1786, the state of Frankland had two conflicting courts in its limits. The one acted under the authority of their own state, and the other under that of North Carolina. Each court claimed, that its decisions were paramount; and in fact, the only one, that had a right to act in the case. A more fruitful source of collision and quarrel can not be imagined, than such a state. The sheriff of Frankland, with his posse, in some instances, went into the other court, seized the papers, and turned the officers out of doors. The North Carolina party, as soon as it had power, retaliated in the same way. Colonel John Sevier was elected the first governor of the state of Frankland. The governor, soon after his induction into office, met the principal man on the North Carolina side of the question. From the windy and inefficient war of words, it soon proceeded to the more decisive war of blows. The argument was soon settled in the primitive way by the dint of fist.— But these leaders of state were separated, before victory declared on either side. Their humbler retainers, as they felt in duty bound, imitated the example of their superiors, and lost an eye, or a piece of flesh of less importance from some other part of the body, without being either cooled, or convinced. It was obvious, that in such a crisis things must soon come to a more serious issue, than a fist fight, or gouging an eye.

The county of Washington elected members to represent them in the assembly of North Carolina. Colonel Tipton, who had fought the governor of Frankland, was

one of these representatives. A paper containing the names of those, who were willing to accept the terms of North Carolina, and secede from the authority of Frankland, was sent by these members to the assembly. Taxes were imposed by the authority of both legislatures, and, as may be easily foreseen, the people paid neither, with much speciousness, assigning, as a reason, that they did not know, to which authority they ought to yield their money.

This year the Cherokees renewed their attacks upon Tennessee. William Cocke, Esq., was delegated to congress. He made, before that body, an eloquent speech, placing in a strong light the helplessness and misery of their condition, engaged in a civil war on the one hand, and assailed by the merciless savages on the other. This time he was heard, and his representations were acted upon. A general amnesty was passed, in regard to all, who expressed a readiness to yield themselves to the authorities of North Carolina. It was enacted, too, that the officers, who had held under the state of Frankland, should be displaced, and their places filled by persons appointed by North Carolina. Many, who held under the new state, had been originally appointed by North Carolina, and had been retained in their offices by Frankland. They were considered by congress in the light of persons, who admitted the authority of the new state. The pacific, and yet decisive measures of congress seemed at once to restore things to their former position, before the formation of the state of Frankland. But under the external appearances of tranquillity remained the smothered fire. There still remained a considerable number, staunch for the cause of the fallen state, and disposed, upon the first favorable appearances, to rear it up again. Governor Sevier offered the services of these men to Georgia, in the prospect of an approaching war of that state with the Creeks. The leg-

islatore of that state having deliberated upon the proposition returned a very polite answer, expressing gratitude for the kindness of the offer, and promising a return of their services in any way, which should not be incompatible with the interests of Georgia. They sent a state of their case to Dr. Franklin, soliciting advice. He wrote them in reply, that he thought, they had better accede to the propositions of North Carolina.

Notwithstanding all these discouraging circumstances, governor Sevier retained the integrity of his faith in the new state. Georgia, as a state, indeed, was only ready to avail herself of their military services, without promising any return of good offices. But several distinguished individuals of that state wrote to him, expressing their own good wishes, and those of many of the people. He was elected a member of the distinguished society of Cincinnati.—A copy of the constitutions of the thirteen states, neatly bound, was presented him, with a very flattering address.—The common toast in Georgia was, ‘success to Frankland, and its virtuous citizens.’ But all these symptoms of convalescence notwithstanding, in 1787, the legislature of Frankland met for the last time. Little was done, and shortly after the state of Frankland fell by natural decrease.

In addition to this source of discord, in East Tennessee, a party was getting up, whose object was to attack the Spanish colony of Louisiana. This was at the time, when there was so much excitement in Kentucky upon the subject of the ‘occlusion’ of the Mississippi against the produce of the West. The Tennesseans and Kentuckians were strongly disposed to take this matter into their own hands. Letters inculcating this purpose, and manifesting an organized plan to do it, fell into the hands of the general government. An examination was had upon the sub-

ject, and measures were taken, which resulted in the suppression of this incipient purpose.

In 1788, an execution was taken out by the existing government, organized by North Carolina, against the property of governor Sevier, as he still continued to be called. He affected to consider it illegal. His negroes had been taken by this execution, while he was absent, contending with the hostile Indians. On his return he collected 150 men, and proceeded to attack the house of colonel Tipton, where, he had understood, his negroes were placed for safe keeping. At the same time he had been told, that he was also sought by colonel Tipton's men, with a view to put him in prison. All these circumstances contributed to rouse his anger. Colonel Tipton had been advertised, too, of the intended attack upon him.—When colonel Sevier appeared before his house, it was found to be barricaded, and defended by fifteen staunch friends of colonel Tipton. His house was situated nine miles from Jonesborough, which had been the seat of the Frankland government. The assailing force took post in front of the house, and demanded the surrender of colonel Tipton and his friends, who on his part, for that and the next day, affected to treat the whole matter with disdain, and made no reply to the proposals. He, meanwhile, was busy in sending round to call in the aid of his friends. He finally consented, that one of the fifteen, who were with him, should write to the commander of the assailants. A difficulty arose, which has often been a serious one between the commanders of larger armies, a question about etiquette. The letter was addressed only to *colonel Sevier*. He would not receive it, alleging the informality of the want of the title *governor*, and stating that his brother, who was also colonel Sevier, and for whom the letter, by the address, seemed to be intended, was not

in camp. To this the friend of colonel Tipton returned an answer, advising the assailants to disband themselves, before the regular troops of the government came to the aid of the besieged, when they would be sure to be beaten, and their leader afterwards subjected to punishment. Colonel Sevier's purposes were not so to be shaken. He remained at his post. Persons going to colonel Tipton's house were fired upon. A number of persons were wounded, and one was killed. But notwithstanding the closeness of the siege, twelve men from the adjacent country contrived to join colonel Tipton. Colonel Maxwell, with 180 men, was approaching to his assistance. The morning of the attack was snowy, and the assailing force had hardly commenced an attack upon the house, when they heard, that they in their turn, were like to be assailed from behind and before. Their courage forsook them, and they fled. Two of them were taken prisoners. Colonel Tipton had determined to hang them immediately. He was hardly swayed from his purpose by strong persuasion.

This defeat put an end to the pretensions of the partizans of Frankland. Governor Sevier concealed his mortification, by removing to the remoter deserts of the frontier, where, with a number of his devoted friends, who followed him, he still made war upon the Indians. The Cherokees assaulted the settlements about Knoxville. Colonel Sevier was chosen to head the defence of the country. A number of Indians were killed; their towns burned, and their cattle driven off. While he was thus meritoriously engaged, he was called to answer to the superior court, now sitting at the seat of his own government, to the indictment of high treason. While he was thus taken from the head of the forces, arrayed against the Indians, the regular officers and troops were compelled to go forward in the defence of the country.

The battle of Lookout mountain was fought with more advantage to the Indians, than the whites. The whole Tennessee force, amounting to 450 men, was compelled to retreat. Colonel Sevier had a strong amount of popularity with great numbers of the people. His prowess at King's mountain, and in many Indian fights had attached much confidence to his name. Though not legally authorised, he was the partizan, to whom the people looked in danger, to lead them against the Indians. Concluding, that the affair of Frankland would be forgotten in their need of his present services, he appeared openly at a meeting, held in Jonesborough for the purpose of arranging an attack upon the Indians. He was drawn into a quarrel; was taken, imprisoned, and put in irons, by order of colonel Tipton. After an imprisonment of some time, his family aided him to escape. By a law of North Carolina he was debarred from holding any office in that state. His character and services ultimately created a reaction in public opinion. In 1789, the law was repealed; and he was elected to the senate of North Carolina from Green county, and was made brigadier general for all the western counties.

In 1790, North Carolina ceded to the United States all her title and authority in the country in question. Nashville was founded in 1784; and was named after the gallant general Nash, who fell in the battle of Brandywine.—In 1785, Davidson academy was established, and endowed with lands, which were to be exempted from taxes for ninety-nine years. During all the intestine broils, created by the erection of the state of Frankland, the people of East Tennessee had been involved in continual wars with the Indians. A state of repose now followed, in which the settlements, which had hitherto been stationary, through fear of the Indians, rapidly advanced in population.

In May, 1790, congress passed a law for the government of the country south-west of the Ohio. For the purpose of temporary government, the whole country was constituted one government. The inhabitants were to enjoy the advantages and the laws, which were given to the country north-west of the Ohio, in the ordinance constituting that country a territory in 1787. There were some special acts of reservation, among which was, that no law should be made touching the right of the people in that district to the property of their slaves. President Washington proceeded to appoint the officers of government. William Blount was appointed the first governor. In August, 1790, he received his commission. In two months he made all the necessary preparations, and appointed all the officers called for by the new state of things, as preparatory to the assumption, by the people, of self government. The same arrangements were shortly after made in West Tennessee. He immediately made proposals to the Cherokees, in regard to a treaty. They evinced dispositions to meet his wishes. Three millions of acres of land had already been sold in the land office.—Some of this land was included within the Indian boundaries. A number of persons wished to make a settlement at the Muscle Shoals, which were within the limits of the Indian territories. By order of the president, they were forbidden by the governor to do it. In 1791, colonel Sevier was appointed by the president, brigadier general of the militia in Washington of this state. In this year some persons, in defiance of the forbidding of the governor, proceeded to the Muscle Shoals to make a settlement. On their return they were arrested. The circumstances, on investigation, proved to be these. They went to an island in the river Tennessee, at the Muscle Shoals, and built a block-house. They were soon visited by a body of

fifty Indians, who told them, that they should have permission to retire quietly, and the promise of receiving no injury. If they refused, they assured, them, they would put them to death. The adventurers of course preferred the former alternative. The Indians then burned their works. An attempt was made at the superior court to indict Coxe and his associates, who had made these settlements. But in two indictments the jury would find a true bill to neither. It soon appeared that these young men were determined to make another settlement, where they had made the first.

In 1791, the whole population of the territory was 36,043, including 3,417 slaves. The whole population of Cumberland, at the same time, was 7,042. The Cherokee chiefs, by invitation, met governor Blount, where Knoxville now stands, and a treaty, which promised perpetual peace, was concluded. The same year this treaty was ratified by the president and the senate of the United States. On November 5th, 1791, was brought into Tennessee the first printing press. It was set up at Rogersville by Mr. Roulstone. On the same day was issued the first Tennessee newspaper. It was called the 'Knoxville Gazette,' although that town was not laid out, until 1792.

About this time occurred the disastrous defeat of general St. Clair, on the north side of the Ohio. To prevent the northern triumphant Indians from joining the southern ones, the president was anxious, that the latter should join us in the war against the former. Governor Blount was requested to invite the Chactaws, Chickasaws, and Cherokees, to assemble at Nashville, to make a treaty with him upon the subject. The president was desirous, if possible, to ascertain the cause of the pertinacious hostilities of the savages, now, that we were at peace with England.— There were many, who believed, that emissaries of that

government still instigated these hostilities in secret.— Governor Blount discovered at once, that a majority of these Indians manifested anger, when the project of the United States, that they should join forces to make war upon the Shawnees, was hinted to them. The chiefs, who were favorably disposed to this proposition, did not dare to manifest their feelings. On the contrary, in violation of the treaty, which they had so lately made with us, a tribe of the Cherokees, who live in four towns on the south bank of the Tennessee, at a place, where the Creeks and the northern tribes cross, as they pass back and forward, and the Indians of a fifth town, who live about twelve miles from the other towns, assumed the war dress, danced the scalp dance, and after their fashion, declared war against the United States, and became allies of the Shawnees.

They immediately began to practice their customary atrocities, by killing several of a family, that were on their way from Natchez to Nashville. They brought in a little white girl as a prisoner. The head chief of the nation was, or affected to be angry, and in a solemn talk forbade all intercourse with these five towns. Governor Blount ordered out the militia, and as fast as the time of the drafted militia expired, he ordered out other drafts, keeping his forces continually on the alert. The Indians were driven hastily from some houses, which they had plundered. In these houses was left their declaration of war. It consisted of a war club, a bow and a sheaf of arrows. These Indians were sure to murder, wherever they had a chance. It was sometimes in the power of the people to exercise a severe revenge. The militia were found insufficient to sustain these continual attacks, and to keep up a continued defence. Some jealousy, also, existed between the general government and these territorial districts, in regard to

the employment of the regular troops. The general government talked of disbanding the militia from its pay and service. Governor Blount ordered general Sevier with a part of his brigade into the service. The main force of the Tennessee troops was placed at 'South West point.'— This is a small distance above the confluence of the Clinch with Tennessee. Here was a fine spring and a post, which commanded a view of both rivers; and it was a good position, in which to intercept, and command the movements of the Indians. Here a fort was built, and there were other stations along the frontier. It was with difficulty, that the militia could be induced to submit to the discipline, and regularity necessary for the soldiers of a garrison. They always avowed a strong predilection to defending themselves in their own way.

At the same time, that the people here were compelled to defend themselves against the Indians, who lived on their own confines, calls were made upon them to furnish soldiers to fight the Indians of the north. It seemed to them a hardship, to suffer the massacre of whole families at home, and at the same time, to be called on to furnish men to make war at a distance. General Sevier had labored, while stationed at his post, to prevent any thing, that should create new enmities among the Indians. A portion of the Cherokees and Creeks were neutral, and disposed to peace. At once to keep them in these dispositions, and to annoy the enemy, he exerted all his influence, that a vigorous offensive war should be carried on against them. He brought documents to prove, that a large body of Creeks and Cherokees was embodied, and prepared, and making ready for an invasion. Notwithstanding these proofs, the general government seemed to act upon the presumption, that the Indians of this region were pacific. By instructions from that quarter, governor Blount order-

ed the greater part of the troops of general Sevier to be disbanded at Knoxville. They were accordingly marched there, and dismissed on the 8th of January, 1793.

The Indians continued to commit murders as usual, until the April following. Governor Blount was then notified of the intention of the Creeks to attack our settlements in a body. He was farther instructed, that general Logan of Kentucky, was preparing an expedition against those very Cherokees, with whom he was at this time attempting to make a treaty. They were the same Indians, whose chiefs, by the desire of the president, had been invited to visit him at Washington. Thus he found himself placed in a situation of great delicacy and perplexity. He promptly ordered out rangers and militia, to scour the woods on the frontiers of the Cumberland settlement, which was threatened with the most imminent danger. Other troops were ordered by the way of South West Point, to intercept any Indians, that might be coming in that direction. If they met with Indians, that they knew to be Cherokees, Chickasaws and Chactaws, these troops were instructed to consider them as friends, until they proved themselves to be otherwise. He was still laboring to restrain the hostilities of the Cherokees, and to persuade them to comply with their invitation to go to Philadelphia. They practised evasion, in regard to all his efforts and proposals. On the 17th of June, he repaired himself to Philadelphia. The people were loud in their complaints, that the general government had manifested backwardness to protect them, and declared that there would be no end to their sufferings, until they either forsook the country, or were slain by the Indians. They averred, that they would already have taken sufficient measures to defend themselves, had they not been obliged to desist from their purpose by the interposition of the government.

It is very obvious that in such a state of feeling and circumstances, as existed here, such men, with arms in their hands, would be apt often to overstep the limits of moderation and allowable defence, and kill peaceable and unoffending Indians. When persons were arrested for such acts, such was the state of public feeling, that no jury could be procured, to pronounce them guilty. Mr. Smith, the governor's secretary, who acted for him in his absence, perceived, that a war with the whole Cherokees was inevitable; and he prepared himself to meet it. Troops were ordered to Knoxville, where an attack was expected. The attacks of the Indians had hitherto been in small parties; and there had not yet been a general engagement. In July, a considerable number of people assembled, with a determination to march on their own responsibility, into the country of the Cherokees. The secretary, who acted as governor, went among them; and attempted to change their purpose. They were found inflexible; and they marched for the Cherokee country to the number of 130 men. No authority could restrain another party from following them.—General Sevier requested, that he might be allowed to march at the head of 150 mounted infantry into the country, north of the Tennessee, and into the lower Cherokee towns. His request was granted. The other parties that went out, imitated the horrid fashions of the savages, by bringing in a number of scalps, as badges of victory. All personal communications with the Indians were at an end. Letters addressed to them were fastened to posts on the banks of the rivers. The people at Knoxville were much, and continually alarmed by the still increasing outrages of the enemy. They desired general Sevier to come to their assistance. He returned from his commenced expedition to their assistance.

The expected attack of the savages was made on the 25th of September, 1793, with 1,000 warriors and 100 horse. They crossed the Tennessee below the mouth of the Holston, marching all night for Knoxville. At sunrise they reached a house seven miles below that place, and killed the whole family, thirteen in number. When they attacked the house, there were three gunmen in it; and they defended it to extremities. They had already killed two Indians, and wounded three more. The savages offered them terms, if they would surrender; and they surrendered on condition, that their lives should be spared, and that they should be exchanged for Indian prisoners. They had no sooner yielded themselves, than, with their customary faithlessness, the Indians massacred every one of them, except a single boy, whom they retained prisoner. The fort was then invested by 700 Cherokees and 200 Creeks. They made little impression upon the garrison, and speedily commenced a retreat.

At the time of this invasion, general Sevier was on the south frontier, on the bank of the Holston, eight miles from the Tennessee. His original force of 400 men was soon augmented to 1,023 privates, with 265 officers of a higher or lower grade. At the head of these troops he marched into the Cherokee nation, in pursuit of the invaders. He learned the course they had taken by their trails, and pursued them to Estonaula, on the river Coosa, where they arrived, the 24th of October. They took a number of Cherokee prisoners, who informed them, that every Cherokee town had furnished its quota for the late expedition. The Creeks had passed that place, on their return from that expedition, anticipating general Sevier's arrival but a few days. Their rendezvous was at the mouth of Hightower river. He followed their trail until the 17th of October, when he arrived at the

fork of Coosa and Hightower rivers. The Creeks and Cherokees had fortified themselves here to prevent the passage. Colonel Kelly, with a part of the Knoxville regiment, went down the river a half a mile; and crossed, unperceived, at a place where the river was fordable.—The Indians, discovering those, who had crossed, and thinking the whole army had passed there, ran down upon them: Captain Evans, who remained with the part of the army, that had not crossed, perceiving the mistake of the savages, immediately crossed at the deserted ford with his corps of mounted infantry. Very few of his troops had reached the south bank, when the foe discovered his original mistake; returned, and gave them a warm reception. An engagement took place; and although the Indians out-numbered captain Evans by four to one, he put them to flight. Spanish guns were found in the encampment. The Americans lost but three men. As many Indians were killed; and it was judged that a considerable number were wounded. The army then marched through the Indian country, destroying their towns, and laying waste their resources. After this skirmish, which was called the *battle of Hightower*, our troops proceeded without opposition. The country was generally deserted, although they might easily have taken more prisoners, than they did. They allowed some to escape, treating them with intentional lenity. After this expedition, the Indians were less troublesome for a considerable time. It had been believed for a long time, that the Spaniards had instigated the savages to these continual hostilities. It had been ascertained, in September, 1793, that a Spanish agent, in the Cherokee nation, had sent to governor White, of Pensacola, requesting 700 pounds of powder, and 1,400 of lead, for the use of the embodied Cherokees.—The request was granted by the direction of the baron Ca-

rondelet of New Orleans, who had made such loud complaints against us, the June preceding, for furnishing the Chickasaws with corn and arms.

In October, the grand jury presented an address to the governor, in which they stated, that the ordinance of congress, of 1787, had promised them a legislature, whenever they should have 5,000 free male inhabitants; that they now had that number, and claimed their right; that their grand object, in desiring this, was, that they might legally protect themselves against the savages; closing with complaints, that the general government had never yielded them such efficient aid, as their case demanded. It was conceded to the people, that they should have a territorial government, according to the ordinance of 1787. In December, 1793, governor Blount authorized the election of persons to constitute a general assembly. In the elections in the different counties will be found many of the names of those, who had figured in the Indian wars. As soon as the elections were over, the governor, by proclamation, ordered the assembly to meet at Knoxville, in February, 1794. When they were assembled, the members walked in procession to the place of worship, where the Rev. Mr. Carrick made a prayer, and preached a sermon. They elected ten persons, out of whom congress were to choose five, to be a legislative council. They presented an address to the governor, recommending offensive operations, in regard to the Indians; and the erection of block-houses along the frontier, for the protection of those, who tilled the ground. They advised a guard for the members from Cumberland, on their return, as an express, that had been lately sent from Knoxville to Nashville, had been severely wounded. They also sent a memoir to congress, demanding a declaration of war against the Creeks and Cherokees. It stated, that, since the treaty of Holston, the savages had

killed upwards of 200 persons in the territory of Tennessee, and carried many into slavery; and had destroyed property to the amount of 100,000 dollars; that the inhabitants had been driven into stations, where were sometimes crowded together into small huts 300 persons; and that they had been waiting with as much patience, as they could assume, until they should have peace, or legally authorized war. They mention two invasions of the Indians, each of a force consisting of 1,000 warriors; and that both these attacks were made in the same month.

Information was received, that a part of the Cherokees were willing to treat for peace. Those of the lower towns were still determined on hostilities. They were instigated to perseverance by their chief, *Double Head*, or as he was called by his own people, Tugalatuga. This blood thirsty spirit had headed most of the murdering parties, and was supposed personally to have shed as much human blood, as any man in America. The Indians, in parties of forty or fifty persons, formed ambuscades, and killed and scalped passing travellers. Many people fell in this way. In some instances the friends of the murdered determined upon revenge; in which case they used to paint, and dress themselves, like Indians, and steal upon them in that disguise; killing four, or five of them; and then retreating to their forts. The Cherokees began now to manifest sincere desires to be at peace with us. The *Hanging Man*, one of the Cherokee chiefs, in a letter to the governor, imputed the hostility of the Cherokees to the instigation of the Spaniards. He said, they were determined to listen to them no longer. But notwithstanding these professions, a boat passing down the Tennessee, was fired upon by the Indians. The people on board the boat returned the fire, by which two of the Indians were killed. The boat was pursued by 150 Indians to the Muscle Shoals, and was

there overtaken, and every person on board killed. In fact the history of Tennessee, for two or three years about this time, is but a dreary and wearying chronicle of Indian massacres. Many of these affairs of murder, if related by themselves, would possess a harrowing interest. Grouped together, they occur in such numbers, and under such uniform circumstances of atrocity and barbarity, that the confusion of the blended cases takes away the interest. The Cherokees and Creeks seem to have been principals in these horrid transactions; and the Chickasaws and Chactaws appear to have fallen in with their measures, as circumstances dictated. The legislation of the territorial assembly seems to have been respectable. They laid out roads, built bridges, and amidst all the horrors of an Indian war, authorized, and partially endowed two colleges; clearly indicating, that in these dark times they had a prophetic insight into the future destinies of the country.

In order to give something, like a connected view of the sufferings of the people in the commencement of this state, we have preceded the order of events. The year 1790, was an epoch of expectation and hope, not without a mixture of apprehension. North Carolina had laid down her claims of authority over this country; and the new federal government was about to be extended over all the Union. How the great community was likely to be affected by this novel experiment, was a matter of anxious solicitude to all, and of gloomy forebodings to some. In the midst of the horrors of an Indian war, hope and fear turned away from these scenes of danger and blood, to contemplate the new spectacle, that was approaching. Even the savages seem not to have been wholly exempt from curiosity, in contemplating the setting up of the new federal government. Even they suspended the wonted blows of the tomahawk for a while, to study the new order of things

and calculate its effects. It was the suspended fury of but a moment. For three years from the setting up of the federal government, as we have seen, more particularly in the history of East Tennessee, the annals of West Tennessee were no more than a continued series of murders, sometimes of individuals, sometimes of whole families. A thousand circumstances of all the extent and refinement of Indian barbarity, on the one part, and of heart-rending agony on the other, must necessarily have been left untold, even in the most detailed narrative to be filled up by the imagination. Indeed, to a person now passing through this fine country, where every thing has settled to its proper level, as in the older states, where every thing indicates strength, confidence and security, and where they have at present as few apprehensions from the Indians, as they have in Washington or London, to such a person it seems almost incredible, that within so short a period of time, as has elapsed between the present, and thirty years ago, so great a change could have been effected. Families then in the most central and populous parts of the country were under continual apprehensions. Not less than thirty individual murders or assaults of whole families and the killing a greater or less number of their members, are related to have occurred in West Tennessee, in three years. The most conspicuous characters among the Indian chiefs, were *Double Head*, *Hanging Maw*, *Bloody Fellow*, *Mad Dog*, and other chiefs with ominous names, and Bowles, Watts and M'Gillivray. The influence of the Spanish government at Pensacola and New Orleans, in instigating the Indians to war, in managing their influence, in supplying them with powder, lead, blankets, muskets and other munitions of war, became an obvious feature in the order of things. The Spanish took great pains to be accurately informed of the state of things in Tennessee, and the objects and feelings of the differ-

ent parties. At this period, the chief, Watts, seems to have been the most common ambassador to Pensacola; while M'Gillivray appears to have had a paramount influence, in governing the Creeks at home. The savages made a powerful attack upon Buchanon's station. They were compelled to retreat, and were pursued by general Robertson, who seems to have been an active and powerful leader against them. In addition to the common causes of disunion and rupture, continual complaints were made on the part of the Indians, that the people of Tennessee were constantly encroaching on their lands; while our people alleged on the other hand, that the savages were faithless and refused to comply with the stipulated terms of their treaties. The Spaniards sometimes complained of us, that we supplied their enemies, the Chickasaws, with corn and provisions; and we, with more justice, complained of them, for furnishing the savages with the means of committing murder. A severe retaliation was practised upon the Indians by a force, commanded by Rains and Gordon. The name of Piomingo, a Chickasaw chief, occurs frequently in these annals of Indian war. He seems to have been generally friendly to the government of the United States. His friendship went to the extent to make war upon the Creeks, the constant and inveterate foes of our people. There were letters, criminations and recriminations frequently passing backwards and forwards between general Robertson and governor Blount, on the part of Tennessee, and Gayoso, and the barron Carondelet, on the part of the Spaniards. After a long endurance of Indian outrage, an expedition from Tennessee was planned, and executed against Nickajack, a Creek town, which was inhabited by two or three hundred men and their families. The army killed in the town a considerable number of warriors. They fired upon the Indians, who took to their ca-

noes, to make their escape across the river. Men, women, and children were victims of a deadly fire. Some were killed in their canoes. Some jumped into the water and attempted to swim off, and were killed by the troops, before they were out of the reach of the guns. Some girls, women and children were taken prisoners. Fifty-five warriors were killed, and both the towns at that place were reduced to ashes. In the town were found fresh scalps, taken at Cumberland; and several that were hung up in the houses, as trophies of war. In this place, too, was found a quantity of powder and lead, just received from the Spanish government, and a commission to the *Breath*, a chief of that town, who was killed in this action. This severe chastisement, with other events, which soon followed, began to break the spirit of the Cherokees. They were in despair of being able to prevent the settlements of the whites from spreading over all the country. With this despair, their vindictive propensities seem to have subsided. In June, 1794, they applied for peace. On the 26th of July a treaty, made between them and the United States, was ratified at Philadelphia. This treaty re-established that at Holston.

But this expedition against Nickajack, which wrought such a salutary result for the people of this region, had not only been unauthorized by the general government; but every person, who had any share, responsibility, or agency in planning, and executing it, was careful to conceal that share. The spirit of the people stole an unauthorized revenge. The people were tired of being scalped and murdered; or cooped up, in trembling apprehension, in uncomfortable stations, to wait for the tardy progress of aid from legislative provisions at such a distance from them, as the seat of the general government. The movements of the troops both of the Cumberland counties, and of Ken-

tucky; for the affair of Nickajack, was a joint concern between the troops of both, were carried on with such secrecy, that the governor affected to be ignorant of them. When he could no longer disguise his knowledge of the intended expedition, he wrote, in apparent surprise and anger, to general Robertson, to enquire about it.

General Robertson wrote in reply, a moderate, but firm letter; entering into the details of murder and rumours of intended expeditions against the people, as in his judgment, justified striking this blow, and anticipating the certain consequences of allowing the savages to carry on their enormities unmolested. After giving an account of twenty or thirty murders, the wounding of a number of persons, the carrying others into slavery, for the Creeks and Cherokees at this time, actually retained many of our people in slavery, after enumerating a great number of thefts, robberies and burnings, recently committed by the Indians, he alleges, that it could not be considered a wanton outrage, to retaliate upon them, as the affair of Nickajack had been represented to be.

It can not be without affording a lesson for the powerful and flourishing state of Tennessee to look back upon the smallness and feebleness of her beginnings in the wilderness; to reflect, through how much poverty, danger and misery the hardy pioneers of civilization waded.—Probably none of the United States suffered more from the continual assaults and murders of the Indians. There was difficulty at home, from conflicting claims of grants of land. That never ending source of trouble, litigation of contending patents and boundaries, had already commenced. There were conflicting claims of cessions by the Indians. They revenged the murder of fathers and mothers and infant children and brothers and sisters, and they found themselves involved at once with the

general government, and with that of their own territory. They were bayed by the Spanish, and the English, teased by the French, disturbed by insurgents, besieged by public creditors and murmured at by those, who were excluded for a time from the possession of their lands by Indian treaties. No people have evinced more bravery in danger; and few people have displayed more patience under the pressure of untoward circumstances.

From the position of the Spanish possessions, commanding the lower courses of the Mississippi, and the shores of the gulf of Mexico, it will be obvious at once, what bearing the relations of Spain with us would have upon the prosperity of this region. The general government, aware of this, pressed for an adjustment of our difficulties with her. The king of Spain announced by his minister, in 1794, that he was satisfied, that the Indians had been the aggressors in the wars with the people of Georgia and Tennessee; and that he had transmitted instructions to the governors of Louisiana and Florida, to give them no countenance, or assistance. Of course, all the incitement to hostilities, derived from Spanish instigation, was removed, and the relations of our government with that nation were in such a train of amicable adjustment, as gave the sure pre-
sage of a fortunate termination.

On the 20th of August, 1793, the commissioners of Spain had complained to the government of the United States, of attempts to excite the inhabitants of Kentucky to an enterprize against the Spanish dominions on the Mississippi. The president of the United States requested the governor of Kentucky, to look into the grounds of this charge, and be on his guard, to prevent any enterprize of the kind. It was perceived, that at this time, when our government was negotiating with Spain for the free navigation of the Mississippi, it would be a great oversight in Kentucky, to counte-

nance any thing of the kind. The president of course was assured, that no inclination to favor any such projects existed.

In November 6, 1793, the Spanish commissioners notified the governor of Kentucky, that, in the October preceding, four Frenchmen had left Philadelphia, authorized by Genet, minister of France, to travel through Kentucky; and while there, and on their way, to persuade as many persons as possible, to join them in undertaking an expedition against the Spanish possessions in our vicinity; and, more particularly, to make a descent upon New Orleans. The governor was requested to use legal means, to suppress the attempt; and if those means were inefficient, to call in the militia. In order to produce a disinclination to be seduced by these attempts, the governor informed the people, that the grand object of the president, in the negotiation with Spain, was to obtain the free navigation of the Mississippi; and that the only advantage, the people could propose to themselves, in such an expedition, was to obtain a privilege at the hazard and expense of money and blood, which they would, in this way, obtain peaceably and by treaty. The people were warned against any such schemes for the future. The governor himself, who, in common with the western people in general, had thought, that the general government had not been sufficiently attentive to the interests of this section of the country, was respectfully requested, to review the subject. The commissions, given by Genet, were recalled, and it was discovered, that they had been scattered over the states of Carolina and Georgia, as well as Tennessee, Kentucky, and Ohio. The governors, except the governor of South Carolina, took active measures to suppress these incipient yieldings to contemplated expeditions in the minds of the people.

In 1794, complaint was again made by the agents of Spain to the secretary of state, that some influential persons in Carolina were attempting to get up an expedition to attack East Florida. Troops were actually enrolled.—Colonel Hammond, an American, was appointed commander-in-chief, and brigadier general in the French service. The soldiers were enrolled under his standard.—Ammunition and provisions were purchased; and French vessels at the same time were to attack East Florida by sea. In this case South Carolina and Georgia were united; and took prompt and decisive measures for the entire suppression of the expedition. The means used were at once mild and energetic; and Spain must have been convinced, that her North American settlements had been saved to her by the good temper and forbearance of the United States. But so deeply rooted were the Spanish prejudices against us, that even this conviction, did not entirely remove alleged grounds of complaint. Barron Carondelet still continued to complain against governor Blount, to which, however, no attention was paid.

The mind of the president seemed to possess a kind of ubiquity; for, amidst all his harassing and multifarious concerns, the little nation of Chickasaws, that had lately evinced fidelity, amidst general treachery and hostility to us, was not overlooked. The chiefs of this tribe were invited, through governor Blount, to visit the president.—They consented. Piomingo was the head chief. The Chickasaws had been actively engaged, as auxiliaries, in the army of general Wayne, in the war with the northern Indians. The chiefs arrived at Philadelphia, and were received by the president with great kindness. To one of the chiefs he gave the commission of captain; and to Piomingo a paper, fixing the boundaries of their country; and forbidding all interference with their possession of these

lands. Considerable presents were made to the nation, which were to be forwarded to Knoxville, from which place they were to take them into their own country. Besides this, they were to receive an annual instalment of 3,000 dollars, in goods, as a mark of the satisfaction of the president with their fidelity. At the same time presents were ordered to the Chactaws. Instructions had not been received, touching our negotiations with the court of Madrid, in regard to the impending treaty; and the Indians were still troublesome on the frontiers. The Spanish built a fort at the Chickasaw bluffs, now fort Pickering, or Memphis. It was within the guaranteed limits of the Chickasaws; and they complained of it to our government. A remonstrance was immediately sent to the Spanish authorities in Louisiana, complaining of this encroachment, not only on the lands of the Chickasaws, but the territory of the United States. The commanders at these stations exercised much insolence, often interdicting boats from passing down the Mississippi, and especially, when loaded with provisions for the Chickasaws. These Indians were perishing from famine, owing to their wars, which had prevented their cultivating their lands. Governor Gayoso was informed, that it was expected, that he would order the fort in question to be demolished, and the troops withdrawn.

As late as 1795, the Spanish still had their emissaries among all the Indian tribes, that were disposed to be hostile to us. But in this year intelligence was received, that Spain had finally acceded to the proposed treaty, which put an end to all grounds of controversy between their government and ours. This event took place in October.—The boundaries between that country and ours were definitively settled, as the United States had contended, they ought to be. The western people now clearly perceived,

that what they had interpreted in the general government, to be indifference to their interests and sufferings, was in fact but patience, prudence and forbearance, to bring about a greater good. The Chickasaws, from the year 1785, had been almost constantly engaged in a war with the Creeks, the enemies of our country, and in which they confidently looked for aid from us. They came to Nashville with scalps, which they had taken from Creeks, that were on their way to commit murders on the Tennessee frontier. They informed governor Blount, that it was their intention to make a war of extermination with the Creeks, who had been constantly engaged in shedding the blood of their brothers, the whites. They seemed very anxious to know, if their *great father*, the president, was not going to join them in this war with the Creeks? In answer, the governor said, that from the known wisdom of the president, he believed, and hoped it; but, that he had no official information to that effect. The Chickasaws, sanguine, as savages always are, that the American army, destined for this war, would soon arrive among them, continued their attacks upon the Creeks, and in this way, engaged themselves, single handed and unsupported in a war with that powerful nation.

Public feeling in Tennessee was strongly in their favor. It did not comport with the feelings of a gallant people, to look with indifference upon the unequal contest of this tribe, which had been commenced, to avenge murders committed upon their own people. A thousand Chickasaw warriors were supported at Nashville some time.—The governor, who had had every opportunity to understand savage character, was unwilling to deny them supplies, through fear of making them enemies. He clearly foresaw, that if they should be much annoyed by the Creeks, and unassisted by us, a slight weight, so laid in the bal-

ance against us, would incline them to enmity with us. At the same time our government wished to avoid a war with the Creeks, who entertained a deep and rooted hatred towards the Chickasaws. The Creeks, on their side were not idle, and endeavored to enlist the Cherokees and Chactaws on their side of the question. Happily, their endeavors were without effect. General Robertson, although he was not authorized by the government, raised some men for their cause. There was at first some backwardness to enlist; for fear, that as the expedition was not authorized by the government, the men would not be paid for their services. The Chickasaws had left an agent at Nashville, to ascertain, whether or not, any troops would be sent to their aid by the United States. This agent pledged himself, that if the United States did not see fit to pay these men, the Chickasaws would. On these terms a considerable number of men were persuaded to enlist; but only fifteen actually marched to the assistance of the Chickasaws. Another party had descended in a boat, and were fired upon by the Creeks. Some were killed, and the rest returned in discouragement. Captain Smith, who commanded the fifteen, was an intrepid partizan for the Chickasaws; and on his way persuaded a number more to join them. The men murmured, on account of their hardships, and captain Smith fed them at his own expense to induce them to remain.

There were several skirmishes between the parties; and lives were lost upon both sides. The cause of the Chickasaws was that of the people of Tennessee; and they continued to aid them, as much, as they could. The stipulated sum of 3,000 dollars, in goods, was sent according to engagement to the Chickasaws. The Cherokees requested governor Blount to keep peace between them and the Chickasaws. He attempted, too, to bring about peace be-

between that tribe and the Creeks. But this powerful and vindictive people was still keen for hostilities; and endeavored to draw the Shawnees and northern Indians into their quarrel. The Chickasaws were persuaded by governor Blount, to transmit a talk to the intendant at New Orleans, requesting him to transmit it to the Creeks. They in turn, pretended to be disposed to peace; but the pretence was entirely deceitful. It operated, however, to for the Chickasaws, should be withheld. The Chickasaws, blind the general government, which ordered, that some guns and ammuniton, which had been ordered at the same time, were assured, that if they continued to make war upon the Creeks, after they were disposed to peace, they must expect no more aid from the United States. It was soon discovered in Tennessee, that the friendly professions of the Creeks were a mere feint, to detach us from their aid; and to throw them off their guard, and thus to make them an easy prey. The lower Creek towns abhorred the duplicity of the upper Creeks. Governor Blount gave them to understand, that they must make peace with the Chickasaws. All savages place the ultimate point of honor in revenge, and perseverance; and they determined to measure back in retaliation, what they had suffered from the Chickasaws. Their attacks were continued; and they fitted out a large expedition against the Chickasaws, which marched against their country, but returned, after inflicting very inconsiderable injury.

The Chickasaw chiefs again visited Philadelphia; but evidently in a moody humor. Governor Blount made great exertions to please them, in order to prevent their manifestation of their ill humor by becoming enemies. In December, the happy event of a peace between them and the Creeks was brought about, by the interference of the United States. There was, also, a treaty made between the

United States and the Creek nation, in 1796. Roads of communication through Tennessee, and the country adjacent were opened. General James Robertson had been one of the first settlers both of East and West Tennessee. He lived to see her take her place among the states of the Union. Peace seemed to be firmly settled between all the Indian tribes. Unfortunately some white person at this time killed a Cherokee; and the nation demanded revenge. Governor Blount was unable to discover the perpetrator; and they proceeded to revenge themselves. Among the many murders and assaults, that ensued in consequence, we relate the following. It will serve as a fair sample of the general aspect of these assaults, and as a fair specimen of the general modes of attack and resistance. There is no bravery so desperate, as that, which is inspired by living among savages in the wilderness. We may fairly infer, that resistance of the same in character, if less fortunate in result, took place in almost every case of the numberless assaults and murders, mutually inflicted by our people, and the savages, in the long and bloody contest, through which Tennessee waded to strength and independence.

On the 27th of January, a party of Indians killed Geo. Mason on Flat creek, about twelve miles from Knoxville. During the night he heard a noise at his stable, and stepped out to ascertain the cause; and the Indians, coming between him and the door, intercepted his return. He fled, but was fired upon, and wounded. He reached a cave, a quarter of a mile from his house, out of which, already weltering in his blood, he was dragged and murdered.— Having finished this business, they returned to the house to despatch his wife and children. Mrs. Mason, unconscious of the fate of her husband, heard them talking to each other, as they approached the house. At first she

was delighted with the hope, that her neighbors, aroused by the firing, had come to her assistance. But, understanding English and German, the languages of her neighbors, and perceiving, that the conversation was in neither of these tongues, she instantly inferred, that they were savages coming to attack the house. This heroine had that very morning learned how the double trigger of a rifle was set. Fortunately the children were not awakened by the firing; and she took care not to awaken them. She shut the door; and barred it with benches and tables; and took down the well charged rifle of her husband. She placed herself directly opposite the opening, which would be made by forcing the door. Her husband came not, and she was but too well aware, that he was slain. She was alone in the darkness. The yelling savages were without, pressing upon the house. She took counsel from her own magnanimity, heightened by affection for her children, sleeping unconsciously around her. The Indians, pushing with great violence, gradually opened the door sufficiently wide, to attempt an entrance. The body of one was thrust into the opening, and just filled it. He was struggling for admittance. Two, or three more, directly behind him were propelling him forward. She set the trigger of the rifle; put the muzzle near the body of the foremost, and in a direction, that the ball, after passing through his body would penetrate those behind. She fired. The first Indian fell. The next one uttered the scream of mortal agony. This intrepid woman saw the policy of profound silence. She observed it. The Indians, in consequence, were led to believe, that armed men were in the house.— They withdrew from the house, took three horses from the stable, and set it on fire. It was afterwards ascertained, that this high minded widow had saved herself and her children from the attack of twenty-five assailants.

A considerable number of murders ensued. The Creeks still continued secret enemies, although they had persuaded the general government otherwise. A considerable jealousy existed between the authorities of Tennessee and the general government. The south-western people were every day more impatient, to be in a position to manage their affairs in their own way. The Creeks, too, deserted on one side by the Spanish, and on the other by the Cherokees, and moreover beginning to have partizans for the United States among themselves, began to be sick of hostilities. A marauding party, headed by Bill M'Intosh, had just returned from our frontiers with a number of stolen horses. Some blood had been spilled on the occasion; and it was the last. The Creeks set themselves in earnest, to restore the stolen property, and prisoners of our people, that were in slavery among them.

On the 18th of October, 1795, at a very full meeting of the Cherokee and Creek chiefs, conferences were begun, and continued for several days between governor Blount and them. They terminated favorably. Many of the Indians applied to have their children educated by our government. Governor Blount recommended to have them educated on the frontiers, in friendly habits with the young men of our country. He inculcated general lessons of charity and good feeling, and forgetfulness of the past towards them.

On the last Monday in June, 1795, the members of assembly were convoked by proclamation of the governor, to discuss the expediency of erecting the territorial government into an independent state. The assembly passed a law for enumerating the inhabitants, to ascertain whether the numbers exceeded 60,000. They were found by the census to amount to 77,262. The governor issued his proclamation for an election, in which five persons should

be chosen in each county, to represent them in a convention. It was to meet at Knoxville, on the 11th January, 1796; for the purpose of forming a constitution, or permanent system of government. The convention met at the time and place appointed. On the 6th of February, 1796, in the name of the people of the territory of the United States, south-west of the river Ohio, they mutually agreed with each other, to form themselves into a free and independent state, by the name of Tennessee. On the 9th of February, governor Blount forwarded to Mr. Pickering, secretary of state, a copy of the constitution, formed for the permanent government of the state of Tennessee.—The copy of the constitution was sent by Mr. M'Minn; and he was instructed to stay there long enough to ascertain, whether the members of congress from that state would be received. Mr. White, the territorial delegate in congress, was instructed to attempt the procuring an act, as soon as might be, for the admission of the state into the Union. This act was passed on the 6th of June, 1796.—Writs of election were issued for the election of senators and representatives, to represent their counties in general assembly, and also for a governor for the state of Tennessee. The members of assembly were elected pursuant to the mode, which the constitution prescribed, and John Sevier, Esq., was elected first governor.

Since that time the state has advanced with rapid strides in wealth, power, and consequence. The people are a hardy, high minded and respectable body of freemen.—Their gallantry in the high places of the field has been amply tested, even from their earliest settlements; and no people in the Union have sustained the test better. The part, which this state took in the late war, and in the campaign among the Creeks has been related in another place.

MISSOURI.

LENGTH, 270.—Breadth, 220 miles. It contains 60,000 square miles, and 38,000,000 acres. Between 36°, and 40° 30' N. latitude, and between 11° 17' and 17° 30' W. longitude. Bounded North and West by the Missouri territory; East and North-East by the Mississippi, which separates it from Illinois. South-East by the Mississippi, which separates it from Kentucky and Tennessee. South by Arkansas territory.

Civil Divisions.

<i>Counties.</i>	<i>Whites.</i>	<i>Free blacks.</i>	<i>Slaves.</i>	<i>Total.</i>
Cape Girardeau,	5058	45	865	5968
Cooper,	6307	15	637	6959
Franklin,	2170	0	209	2379
Howard,	11,319	18	2089	13,426
Jefferson,	1620	3	212	1835
Lincoln,	1419	1	242	1662
Madison,	1672	4	371	2047
Montgomery,	2547	1	526	3074
New Madrid,	2001	4	291	2296
Pike,	3071	0	676	3747
St. Charles,	3275	13	682	3970
St. Genevieve,	3932	47	983	4962
St. Louis,	8014	225	1810	10,049
Washington,	2344	0	425	2769
Wayne,	1239	0	204	1443
	<hr/> 55,988 <hr/>	<hr/> 376 <hr/>	<hr/> 10,222 <hr/>	<hr/> 66,586 <hr/>

Face of the country. A large extent of this great state, in its south-east angle, commencing above New Madrid, and extending down the great swamp, and through the alluvial region, a considerable distance back from the Mississippi, is low, swampy, full of lakes, and in many places subject to be inundated. Beyond that region, which is generally marked by a bold line of rolling and fertile high lands, the country gradually rises into high flint knobs, still rising beyond that region to the mountainous country of the lead mines. This country extends to the Osage and its tributaries. Beyond this, the country is broken and hilly; until we open upon the boundless belt of open prairies, which spreads beyond the western limits of this state. The best portion, and the most inhabited parts of the state are between the Missouri and Mississippi. This vast tract is no where mountainous. It contains great tracts of alluvial and hilly prairies. It is for the most part a surface, delightfully rolling and variegated. There is no part of the globe, where greater extents of country can be traversed more easily, and in any direction by carriages of any description, where there are no roads, and that is yet in a state of nature.

Soil. One specific difference between the soil of this country, and the country bordering on the Ohio is, that the land here contains a much greater proportion of sand, is more loamy and friable, and the soil is not so stiff. There are tracts over all this country, where we find the clayey soils of Ohio and Kentucky. But they are small. The roads generally, run over tracts, where the falling rain and snow are so readily absorbed, even in the winter, that the people are not troubled with the deep and almost impassable roads, that we find in those states. The rich uplands are of a darkish grey color; with the exception of the great tract about the lead mines, where the soil, composed of decomposed

pyrite, is reddish, and of a color brighter than Spanish brown. The poorer uplands are generally covered with white oak, and that small shrubby species of oak denominated here *pin oak*. It is usually a stiffer and more clayey soil than the other; and it is of a light yellow color. There are two extensive tracts of that fine kind of timbered upland alluvion, which constitutes the finest central portions of Kentucky. The one is, perhaps, fifteen or twenty miles in extent. It is south-west of the mine country, and is called *Bellevue settlement*. The other tract is much larger, and is called in this country the *Boone's lick settlement*. There are smaller extents of this kind of land, spread over all the state. In a state of nature, it strikes the eye delightfully. The surface rolls gently and almost imperceptibly. It has the same trees and shrubs, and the grand vegetation, that designate the rich alluvions; and at the same time it has the diversified surface, and the associated ideas of health, and springs of water that are naturally connected with the notion of uplands. These lands are timbered with the same trees, which the alluvions bear. Like those, they are surmounted with grape vines, and are free from under brush. The graceful pawpaw, the persimmon, and the wild cherry tree, all denoting rich soils, abound in these regions; and they are nearly as fertile as the bottoms of the Missouri, or the Mississippi.

The prairies are generally level and of an intermediate character between the richer and the poorer uplands. The alluvial prairies are universally rich, and nearly as fertile as the bottoms. Some tracts of the upland prairies are rich. But there are scarcely any lands in this state sufficiently level for cultivation, that have not fertility enough to bring good crops of corn without manure; and in many instances the poorer lands are better for wheat than the richer. The bottoms of all the water courses are

rich. There is a specific difference in the soils of the two wide alluvial belts, along the two great rivers of this state. The bottoms of the Missouri are generally loamy, with a large proportion of sand. But, even where the proportion of sand seems to be in excess, the soil is of the very richest character; and at first more productive, than that of the upper Mississippi. Intermixed with the *glaze*, or earth of a greasy and adhesive feeling, is a considerable proportion of marle or dissolved lime, which communicates to the soil, which in other respects is compounded in no small proportion, with dissolved vegetable matter, an astonishing fertility.

The lands of the upper Mississippi bottoms are blacker, more clayey, less marly and sandy, and if not so immediately fertile, are more inexhaustible; and probably better fitted to sustain the high heats and the drought of summer. The bottoms of the smaller streams partake of the character of the region, through which they flow, and are composed of more or less sand, marl, or clay, according as the hills, acclivities, or soils, along which they flow, have more or less of these ingredients. On the whole, the good lands of this country generally have a great degree of fertility.—The vegetable mould is friable, tender and deep; and in many instances the soils thrown from the bottom of the deepest wells, appears no less fertile, than that on the surface. The rank and abundant vegetation every where indicates the prolific character of nature working at the root. On the richer prairies and bottoms, tall and coarse grass, and weeds resembling hemp, rise up of such a thickness, size and height, as almost to make it impracticable to travel on horse back. The leaves of the trees and shrubs, by their unusual size and verdure, every where indicate the prolific vigor and power of nature.—The upper Mississippi is skirted with a prairie, commen-

cing ten miles above the mouth of the Missouri, and extending along the west bank of the river sixty or seventy miles, and with an average width of between four and five miles. The uplands on the upper Mississippi are also extremely rich; but interspersed with round flint knobs, which often rise in regular cones, two or three hundred feet high. There are large tracts of poor land, in the south west division of the state covered with yellow pine, with bald and rocky hills, and even moving sands. In fact, this state abounds with the strongest contrasts of soil from the best to the worst; and there are very extensive tracts of each.

Productions. Hitherto, wheat and corn have been the staples of this country. The warmth and looseness of the soil, the large proportions of dissolved lime stone in it, and even the dryness of the atmosphere render it an admirable country for wheat. The season of the year, in which wheat ripens and matures, is peculiarly adapted to the culture of this rich grain. This period is warm and dry; and seldom has any rains, except transient showers. The wheat, however, receives such an impulse from the spring rains, that it matures, and fills, even during the severest droughts. Thirty bushels to an acre is an average crop; though it often rises as high as forty. Rye, barley and oats, though not extensively cultivated, succeed equally well.—Corn is, also, cultivated in the highest perfection. The intense heats of the summer agree with it. It throws such deep and strong roots into the soil, that it soon shelters them, by its shade from the burning ardors of the sun; and the crop has never been known to fail from drought.—From fifty to seventy-five bushels to the acre is an average crop; although it is affirmed, that an hundred are often raised. Although the droughts are often severe, yet such is the depth and looseness of the soil, that a crop seldom

flax. Flax is raised, in considerable quantities, and it is believed, that no country will produce better hemp. Its fault appears to be, that it grows too coarse and rank. Tobacco has become an article of extensive culture in this state; and its quality is said to be excellent, as the yield is most abundant. Cotton is raised in considerable quantities in the warm prairies back of New Madrid. It yields a tolerable crop, when the frosts are not too late in the spring, nor too early in the autumn. Sweet and Irish potatoes succeed sufficiently well. But this state alone has lands already fit for the plough, sufficient, it is believed, to produce wheat enough for whole nations. Prairies of hundreds of thousands of acres of first rate wheat lands covered with grass, and perfectly free from shrubs and bushes, invite the plough; and if the country were cultivated to a proper extent, it might be the granary of the world.

Cultivated grasses have not yet succeeded as well, as the other articles of culture. The only kind, yet experimented to any considerable degree, is timothy; and this requires a close and wet soil, which is a very uncommon one in Missouri. It appears to us to possess, in the highest degree, the requisites to be fitted for grasses by the use of plaster. If this should be found to be the case, abundant crops of red clover might be made, by the use of this manure. Plaster is found of the best quality, and in inexhaustible quantities, on the waters of the Missouri. From analogy and from the character of the natural grasses, we may safely infer, that St. Foin, and the coarser and more succulent grasses will flourish abundantly in this deep and rich soil. Turnips and bulbous rooted vegetables grow to a great size. Pumpkins, squashes and melons, are raised no where in greater abundance. At present, the fodder, provided for the stable in winter, is chiefly

corn, its leaves and husks, and what is called *prairie grass*. This is a coarse and tall grass, covering the prairies in the greatest abundance. In the early stages of its growth, it very nearly resembles young wheat, and in that stage furnishes a succulent and rich feed for cattle. They have been seen, when running in wheat fields, where the young wheat covered the ground, to choose the prairie grass on the margins of the fields, in preference to the wheat. It is impossible to imagine better butter, than is made, while the grass is in this stage. Cattle and horses, that have lived unsheltered and without fodder through the winter, and of course in the spring, scarcely able to mount the hills, through leanness and weakness, when feeding on this grass, are transformed to a healthy and sleek appearance, as if by a charm. But as the summer advances, the grass becomes tough and wiry. By a strange mistake, as we deem it, this grass is not mowed for fodder, until after the autumnal frosts. Of course, it is a harsh and coarse fodder. It is believed by many, that if it were cut, before it has thrown out its seeds, and become wiry, it would be a fodder equally valuable, and perhaps superior to timothy. It creates an extremely tough sward, but is soon killed by being close fed. An abundant crop of coarse and tall weeds takes its place.

In the meadows and bottoms and wet prairies are observed a great variety of grasses, most of them, as far as we know, nondescripts. Some of them, no doubt, would be found worthy of cultivation, and the rather so, as they are naturalized to the soil and climate. Above all countries that we have seen, this is the country of flowers. In our general views of the country, we have spoken of the aspect of the prairies with a more especial reference to those of the southern country. In the season of flowers, every prairie here is an immense flower garden. In the

early stages of spring, rises a generation of flowers, whose prevalent hue is peach-blow. The next is a deeper red.—Then succeeds the yellow, and to the latest period of autumn the prairies exhibit a most brilliant golden hue.

This state spreads a wide belt, on which is found many trees and shrubs, different from those, that are common in the more southern parts of the valley. They differ, also, from those, that grow in the same latitudes on the Ohio.—Crab apple trees, pawpaws and persimons are abundant.—We have no where seen such quantities of the red and yellow prairie plums. Wild hops cover the extent of whole prairies. Peccana, hazlenuts, and nuts of the different tribes of the hickories, are found in great quantities. There are three species of the vine, that are common in all parts of the country. The first is called the June grape, and ripens in that month. It is small, sweet, and uncommon; not being found except in untrodden islands in the rivers, or remote places beyond the reach of domestic animals. The French formerly made a very pleasant wine from it. It ought to be more known, and experimented.—The summer grape is small, purple, and a tolerably rich fruit in the month of October. When carefully dried in the sun, these grapes are not much inferior to raisins.—When ripe, they are too dry to make wine. The winter grape is small, austere and sour. When matured by the winter frosts, it becomes tolerably pleasant.

From the temperature of the climate, from the warmth and looseness of the soil, and more than all from the dryness of the atmosphere, we would suppose this country, as favorable for the cultivation of the vine, as any other in the United States. It is believed, that the atmosphere is drier here, than in Ohio, Kentucky, and Indiana. The fault of the fruit there is to grow too abundant, succulent and watery. The few attempts, that have been made to cultivate

the vine here, warrant the conclusion, that one day the southern exposures of the gentle eminences here will be covered with vines. All the fruits of the northern and middle states thrive in an uncommon degree in this region. The apple tree attains its utmost developement and beauty. An inhabitant from the northern states is struck with surprise, to see this tree in three years from the time of its transplanting, and as soon as it attains the size of a man's wrist, loading itself with fruit. Peach trees break down from the weight of their fruit. Pear trees, apricots and nectarines, though they have been introduced in but few instances, prosper. This seems to be the native country of fruit trees. Few attempts have yet been made to inoculate, and engraft good kinds of fruit trees, and every thing in most instances has been left to nature. Apples are already abundant in the older settlements. Barley yields a fine crop; and it is hoped, that not many years will elapse, before beer and porter, drinks so proper for this hot climate, will take the place of that murderer both of soul and body, whiskey. The mulberry tree is very common in the woods; and this is, undoubtedly, among the best of the middle climates, for breeding the silk worm, and the making of silk. In short, every production of the northern and middle states thrives here. The heats of summer and the dryness of the atmosphere peculiarly fit this soil for the cultivation of the medicinal plants, rhubarb, palma christi and the poppy.

Animals. We have but little to add, to what has been already remarked, touching the animals of the country in general. Bears, wolves and panthers, are as common, as in the more southern regions. The prairie wolf, the most mischievous of the species, is but too common. Buffalos and elk are only found in the prairies beyond the limits of this state. Deer, as the Indians retire,

and as cultivation becomes more common, are seen evidently to increase in numbers. They are so frequently seen, from four to twenty in a drove, even in the immediate vicinity of the most populous villages, as to be no objects of curiosity. That large and mischievous species of the mole, called gopher, is extremely annoying on the prairies and barrens. It is seldom seen on the timbered bottoms. These animals live in communities, in the vicinity of which they raise thousands of eminences. They form these eminences, by removing the earth from their holes by a pouch, with which nature has furnished them on each side of their mouth. They are extremely mischievous in corn and potatoe fields, and in gardens they prey upon all kinds of bulbous roots. Their bite is said to be poisonous.—The prairie dog begins to be seen in the western extremities of this state.

Rattle snakes and copper heads and ground vipers are found in the unsettled regions; and especially near the flint knobs and ledgy hills, where they spend the winter.—The small and pernicious rattle snakes, called snappers, live in great numbers in particular places on the prairies. On the whole, poisonous reptiles are not so common, as in unsettled regions of the same latitude, where the country is generally timbered. Burning the prairies undoubtedly destroys multitudes of them. The ponds, lakes and rivers, during the spring and autumn, and during the migrating season of water fowls, are literally covered with swans, pelicans, cranes, geese, brants and ducks, of all the tribes and varieties. Many of these fowls rear their young on the islands and sand bars of the large rivers. In the autumn, multitudes of them are killed for their quills, feathers and flesh. The birds, called quails in New England, and partridges here, are numerous, as is also a bird, somewhat larger than a domestic hen, called prairie-hen. In the au-

Quails of some seasons, they are seen hovering over the corn fields, in flocks of hundreds. They are easily taken, and when fat, are fine for the table. There are two larger and still more beautiful species of the grouse tribe, found far up the Missouri. Turtle doves are always numerous, as in some seasons are the wild pigeons. Singing birds are not so common as in the country farther south; or the more settled and cultivated regions of the north. It is a striking fact, that they become more common in any region, as cultivation advances. The robin red-breast is seen in flocks in the autumn, but does not rear its young here.—The magpie, or French black bird, that is so frequently heard chattering its notes in the meadows of New England in spring, has only been observed here, since the country has begun to be peopled and cultivated. The red bird, or Virginia nightingale, rears its young, and spends the winter here, and on a mild day in winter its mild whistle is delightful in the deep forests. The blue bird is heard in all the mild days of winter. The beautiful parroquet frequents the sycamore bottoms, and poorly compensates by the extreme beauty of its plumage for the injury it does the orchard and garden fruits.

The domestic animals are the same, as elsewhere in the United States. The wide prairies, every where covered with grass, invite the raising of cattle. Many of the farmers possess great droves; and they may be multiplied to an indefinite extent. The cattle are large and fine; and the beef is good. When the same attention is here bestowed upon rearing the largest and best kind of horses, that is given to the subject by the Pennsylvania farmer, that noble animal will probably be raised in the utmost perfection in this state. Sheep prosper here; nor does the fleece degenerate. North of 40°, on the prairies between the Missouri and Mississippi, shepherds will one day find

their homes, and the sheep will there yield the finest and best wool. At present the wolf is a fatal enemy to them; and the number of weeds, that bear burs, is so great, that their fleeces become matted and tangled with them; and in cutting them off, the staple of the fleece is injured. Swine are raised with the same or perhaps with greater facility, than in Ohio. Hickory and acorn bearing trees are more abundant, than in that state. On the whole, for the rearing cattle, sheep, and horses, we deem this state, and Illinois, to have advantages over any other of the western states.

Agriculture. Experimental improvements have commenced, and ought to make rapid progress. There is no country, in which a farm is made with less difficulty, or where tillage is more easy. A great proportion of the land is fit for the plough. The soil is almost universally, easy to work. The greatest obstacle in the way of present farming is the want of good fencing materials. Stones are seldom to be found for this purpose; and no where, except in quarries and ledges; and when they are found, they are not at all used for the purpose of fencing. Unless forests are planted, there will soon be an absolute want of a sufficiency of any kind of timber for fencing. The substitute ought to be found as soon as may be in hedges.—Whenever the wealthy farmers of this country understand their true interests, they will immediately, and universally commence the planting of hedges. The subject has as yet engaged the contemplation of only a few intelligent husbandmen. They have thought, that the native gooseberry, which here grows wild, and of a size and tangled luxuriance, unknown in the country east of the Alleghanies, would be sufficiently thorny and impenetrable for a hedge. Others have recommended the thorny locust, or *acacia*, the crab apple tree, the privet, a most beautiful shrub of the laurel class, used in the middle states to form borders and

walks. There seems no good reason, why the British hawthorn, or the Columbian thorn should not be adopted for that purpose. It would grow here more rapidly, than in Pennsylvania and Delaware, where experience has demonstrated, that it soon becomes a fence sufficient to turn cattle. The beauty of a wheat field in full verdure in autumn, in contrast with the brown of the prairies is now a striking feature in the cultivated landscape. It would be still more so, when its outline was skirted with a living and verdant hedge. The planting of the Alleghany white pine and the chestnut ought also to be objects of immediate attention. The scarcity of wood and timber imperiously calls upon those, who have any thought for the generations to come, to attend to this sort of improvement. Enquiries, respecting the different qualities of the soil, the trial of grains, and grasses congenial to it, and experiments to ascertain the best modes of culture, are all important matters, which are yet to be attempted.

Houses, &c. But a few years since, and a house of better structure, than a temporary log cabin was a rare object. The ease of subsistence was so great, and there was for a considerable time so little emulation among the people, that they hardly consulted comfort, much less ornament. Most of the first settlers were hardy backwoods men, used to the hardships of a laborious life. Indolent, and satisfied with the supply of the most common wants of nature, they lived in open and miserable habitations, which neither excluded the rain, the heat, or the cold. It was a long time, before the country had mills, and the materials for building bore a high price. The sites of water mills are not common. But such have been found and put in operation. Mills on the principle of the inclined plane, and steam mills have been commenced. Good houses have been reared, not only in the towns and villages, but in

the country. Log cabins and log houses are disappearing in all directions, and frame and brick houses are taking their place. Rivalry and emulation have been inspired; and the people have, in many instances, been tempted to build larger and more showy houses, than were called for either for comfort, or conformity to the circumstances of the builder. Brick and stone houses, from the scarcity of timber, and from their being at once more durable and comfortable, have been generally preferred.

Climate. Soon after we descend below the mouth of the Ohio, the climate begins to verge towards the character of a southern one. This state occupies a middle position, and has a temperature intermediate between that of New York and Louisiana. We have seen, from the circumstance, that the valley of the Mississippi spreads, like an immense inclined plane, towards the gulf of Mexico, that it results that, north and south winds alternate through this valley. This fact applies most strongly to the immediate valley of the Mississippi. As the prevailing winds blow either up, or down the valley, the changes are great and sudden. When the breeze for any length of time descends the Mississippi, the weather soon becomes cold, and if the same direction of the winds continues for successive days, if it be in the winter, the Missouri and the Mississippi are frozen, and the mercury in some instances falls below zero. After this wind has prevailed for a length of time, the opposite wind gets the ascendancy again; and it is not at all uncommon to have days, when we can sit at the open window, with comfort, in January. Hence the climate is extremely fickle and variable. The transitions are so rapid, as not only to be very uncomfortable, but to have an unfavorable effect upon the constitution. But the country is always exempt from those damp and un-

comfortable north-east breezes, that prevail so much on the Atlantic shore.

The winter commences in its severity about Christmas; and is frequently so severe, as to bridge the mighty current of the Missouri so firmly, as that it may be passed for many weeks with loaded teams. In the winter of 1818, this was the case for nine weeks. During this period, however, there are often truly warm days, with a sky perfectly brilliant, and destitute of that leaden hue, which it has at the same period on the Atlantic shore. Snow seldom falls in this state more than six inches deep; and generally does no more than cover the ground, disappearing after two or three days. Its severity ceases with February. Through the months of March and April, there are often summer days, and the trees sometimes blossom in the former month. But it seldom happens, that there are not alternations of cold even into May. On the whole, instead of the climate becoming more mild, as we advance on the same parallel, it is believed, that the reverse of this is the case. The greater part of the summer is intensely hot. The country is bare and open to the full influence of the sun. The soil, moreover, is of a warm and sandy texture, strongly imbibing the sun's rays. The sky for the greater part of the summer is brilliant and cloudless. All these circumstances concur to give this country a very warm summer. Nevertheless, the openness of the country, and its freedom from mountains, which impede the course of the winds, always creates more or less of a breeze, which tempers the extreme heat and renders it more endurable.

Another circumstance, which distinguishes this climate from most others on our continent, is its extreme dryness. The sky is of an azure, which denotes dryness and purity. Evaporation takes place with great rapidity. The climate

differs in this respect from the wooded valley of the Ohio, and still more from that of the Mississippi below the mouth of the Ohio. Polished steel, in the southern parts of the Mississippi valley, contracts rust in a few hours, and the dews are like rains. The three years, 1816, '17, and '18, gave an average of only fifty clouded days in the season, and not more than twenty-five that were rainy. It is believed, that the average amount of rain, that falls in Missouri, does not exceed eighteen inches a year. There are exceptions, however, as in the year 1811, commonly called by the French *l'annee des eaux*, in which year it was thought, there fell more than forty inches. The two great rivers that year filled their bottoms, in some places, quite to the bluffs; and their courses in such places were often five or six miles wide. The Missouri country may be pronounced, in the general, a dry one. The steady rains are from the south-west. The long rains, that occur in the Atlantic country without thunder, seldom happen here. The summer rains are generally thunder showers. They rise near the courses of the great rivers, and appear to be supplied by evaporations from them. The lightning is vivid, and the thunder loud and frequent. The autumn of Missouri, in common with the whole of the Mississippi valley, is serene, temperate, delightful; and in salubrity and pleasantness, probably, not exceeded by any country in the world.

Such is the general aspect of the climate. But in a country so large, and so open, there sometimes occur seasons very wide from this general character. The uniformity of the autumns is indeed almost invariable. But for the rest, the general character of this climate is, that less dependence can be placed upon the analogy of the past, as a clue to the future, than almost any other, of which we

have read. There are fewer grounds of this sort, for safe calculation for the future.

Salubrity of the country. When it was first settled by the Americans, there were some years of extraordinary mortality from sickness; which at first acquired for the country a character of sickness. Such was the year of waters, as the French call 1811. A part of the fatality of that year may be fairly attributed to the circumstance, that the immigrants, were unsheltered, except by miserable hovels; and that there were few mills to supply the people with bread. The diet was changed. The modes of life were changed. The people were imprudent, and exposed.—The season was uncommonly rainy and humid. On the level lands and in the hollows rested immense quantities of stagnant water, which escaped only by the evaporation of a powerful sun. One or two sickly seasons have occurred since. In the neighborhood of deep and inundated bottoms, where waters escape during the floods from the rivers, and are retained in the gullies and ponds of the bottoms, in the vicinity of small lakes, and stagnant waters, the effect is the same here, as elsewhere; with the added inconvenience, that the high heats of summer, and the powerful evaporation, consequent upon the heat and dryness of the atmosphere, increase the noxious activity of the causes of disease. Whenever an unacclimated family fixes itself in the vicinity of such collections of water, it may calculate upon severe sickness. Intermitting fevers are the consequence of inhaling the miasma of swamps and putrifying vegetation, the change of temperature from the coolness of the night to the heats of the day, from exposure to the heavy dews, and various other mixed causes. They are here, or elsewhere in the west, the most common diseases of the country. The tendency of all complaints in the summer is to assume a highly bil-

ious type. It has been asserted, in common parlance, that this is universally the case in all countries near large streams of water. But in Missouri, we think, bilious complaints are not so common near the river Missouri, as in points more remote from it. Bilious fevers are apt to prevail in the autumn. In some seasons they are endemic in particular districts. They sometimes take the form of continued fevers and are then dangerous. But more frequently they are remittents, and then when properly managed, they yield readily to medicine. If the attendance of a judicious and experienced physician is early and constant, they are seldom fatal. Pleurisy and lung fevers sometimes prevail in the winter. Pulmonic complaints attended with cough, and terminating in consumption, notwithstanding the inconstancy of the weather are very uncommon here. There is no doubt, that increase of population and cultivation, by draining away stagnant waters, and removing by the feeding and trampling of cattle, and in other ways, the redundant vegetation directly tends to increase the salubrity of a new country. In process of time this must become a very healthy country. It can not be accounted a sickly one at present. Except in deep bottoms, and in unfavorable situations, we judge, that the chances of life and health are as favorable here, as in countries, which have been longer settled, and which are reputed healthy.

Scenery, Roads, &c. The hills, or as they are called, the Ozark mountains of the mine country, are sufficiently precipitous and grand, to add the sublimity of mountain scenery to the prospect. In the bottoms, and along the mountain streams of this region, contrary to the common assertions in books, the soil has uncommon fertility, and we have not witnessed situations with scenery of a character more solitary, wild and yet beautiful, than we have

seen in the mine country. Along all the considerable water courses there are those bluffs, that every where in the western country mark the alluvial outline of streama. In some places, especially on the upper Mississippi, they swell to high hills, which run out at right angles from the river, and seem like mountainous waves of the sea, suddenly arrested and fixed. Compared, however, with the northern states, and these partial exceptions aside, the habitable part of Missouri is one vast plain. We have already described the prairies of the west. All know, that the name is a French one, importing the same as meadow.—Those, who have not seen a prairie may easily form a conception of one. Yet the grandest objects of nature will, probably, not excite so much surprize in the mind of a traveller from the Atlantic states, as the first view of a prairie. Riding, day after day, through forests, where the small improvements made in the wilderness scarcely interrupt the general aspect of woods, he opens at once upon the view of a boundless horizon. In the early periods of summer, he beholds outstretched under his eye a perfectly level plain, of the most soft and beautiful verdure, covered with a thousand flowers of every scent and hue. Here and there, in the skirts of the prairies, and often in their centre are clumps of oaks, and peccans and black walnuts, disposed in forms so regular, and generally circular, as could not fail to fill the eye of an admirer of the ancient style of gardening. He is unprepared for such a view, seen in such strong contrast with dark and lonely forests. It is, after all, impossible to convey by description the impression, which these views create. In these vast and beautiful prairies, or on the verge of the bluffs, that overlook them, taking into view a verdant and sleeping ocean of grass, vast rivers rolling their mighty masses of waters through the dark forests, romantic hills

stretching away in the distance, and here and there a cabin, or a house throwing up its column of smoke, and the cattle, horses, and sheep sleeping about it, in such views we have often seen landscapes, as we deemed, as worthy of the pencil, as any country can furnish.

There are as yet few roads, that are much wrought.— But nature has been more indulgent to this country, in that respect, than, perhaps, to any other. It is neither a boundless sandy plain; nor a tame and level prairie. But a diversified surface of gentle hills and easy slopes. Wherever the current of passing has marked a road, it is generally a good one. If a person in a carriage is dissatisfied with the beaten one, he selects one for himself; and can travel with ease and comfort, in most instances, through the untrodden forest. The roads are passable at all times of the year; and scarcely ever muddy more than two or three days at a time. This is a circumstance, that eminently distinguishes this country from that on the Ohio. New as the country is, and little as the roads have been worked, the communications are easy, and expeditious through the year.

Minerals, Fossils, &c. There is little ground to doubt that the Rocky mountains, which are a continuation of the Mineral mountains of New Mexico, so abundant in the precious metals, contain them too. Travellers, who have ascended the Missouri to its sources, say, that gold dust is mingled with its sands, at the mouth of the Roche Jaune, or Yellow Stone. Fossile coal is found in great abundance along the Missouri; and in a thousand places in the great valley of that river. It is found near St. Charles, and near St. Louis. The extent of the veins and the quality of the coal have not been much tested, as yet. In a region so bare of wood, these internal provisions for that deficiency will one day be thoroughly explored, and

will be found to constitute one of the essential resources of the country. We have seen most beautiful specimens of plaster, which were brought from the Platte. Immense bodies of iron are found in Bellevue, on Big river and its waters, and in various points back of Herculaneum, and on the St. Francis and Black rivers; and in fact, iron ore is indicated in all points of this state. Manganese, zinc, antimony and cobalt are found, along with lead ore in the lead mines. Red and white chalk, flint, ochres of different colors, common salt, nitre, steatite, marl, plumbago, porphyry, jasper, chalcedony, ponderous barytes, and pumice stone are found in the country. It is affirmed, that cinnabar, or the red ores of mercury are found here.—Marble and blue lime stone abound; and the lime, made from it, is of the best quality. Along the banks of the Missouri, in many places, the bluffs are composed of thin, smooth, and perfectly regular strata of rock, apparently composed of iron and lime stone. They have an appearance, like slate, and it is believed would answer the same purpose for covering houses. The flint knobs are curiosities. They abound in the south-west part of the state, and along the upper Mississippi, within its limits. They are frequently in the shape of cones, rising 300 feet with a base often less than a mile in diameter. They appear to be composed of siliceous masses of stone, among which are thousands of *fleche*, or arrow stones, which serve the Indians for gun flints. Pumice stones of the largest and most beautiful specimens are often seen floating on the Missouri. The Indian pipe stone, so abundant on the river St. Peter, is said to be found, also, in this state. We have remarked, that it is of a beautiful dark red color, and receives a polish equal to that of alabaster. Pyrite of copper is found dispersed over the country in various places. The river *Cuitre* was so named by the French,

as supposing that its banks abounded in copper ore. Masses of pure, malleable copper, weighing from three to ten pounds, are shown, as native curiosities. We have seen splendid specimens of rock chrysal, that were found here.

But the mineral, for which this region is more particularly noted, is that of lead. Lead ore is dug in various parts of the state; and there is no doubt, but it may be found every where in a line of hills, reaching from the Illinois lead mines near Rock river, quite across to the Missouri. These mines will more properly be described under the head of the state of Illinois. In speaking of the lead mines of Missouri, we shall confine ourselves to those, which are situated in the county of Washington and the region contiguous. This district extends nearly an hundred miles in length, and perhaps forty miles in width; though discoveries, as they are called, are constantly making, in the regions adjoining, in the one direction quite to the Missouri; and in the other to White river. But the principal 'diggings' are included in an extent of fifteen miles in one direction, and thirty in the other. The centre of this district is situated from fifty to seventy miles southwest from St. Louis; and little more than half that distance from Herculaneum on the Mississippi; and from thirty to fifty from St. Genevieve. The lead is principally waggoned from the mines to the former and the latter place, to be thence transported down the Mississippi, and up the Ohio. A great number of wagons are constantly employed in this occupation. This tract is abundantly watered by Big river, and its branches. No part of the country west of the Mississippi is watered by a greater number of clear and full mountain streams. These streams are branches of Big river, which is itself one of the principal branches of the Maramec. The hills, or mountains, as they

have been recently called, lie in alternate ridges. Some of them are sterile; and some of them have a rich and productive soil. The valleys between them are almost uniformly fertile. The declivity of one ridge is covered with masses of chrystalized spar of every form and size. This is here called 'mineral blossom.' Most beautiful samples may be easily selected from this infinite variety. It is the custom not to dig, where this mineral blossom lies on the surface. The ore is sought, where this spar is found about two feet deep in the earth. The earth is of a bright color between red and yellow, and the ore is generally found imbedded in rock and hard gravel.

It is remarkable, that although a vast extent has been dug over, through all this district, nothing, like a continued vein has yet been found. Indeed, at a depth of nearly eighty feet, to which depth Mr. Austin sunk a shaft, a vein was found, which seemed to have more resemblance to those continued veins, or *matrices* of ore, where, in the language of mineralogists, the ore is *in situ*, or in place. But the water came in upon this digging, and it was abandoned. Of all the immense amounts of lead, that have been smelted here, the ore has hitherto been found in detached masses, not *in situ*, and apparently transported there by some inexplicable and prodigious changes, that as we have seen elsewhere, have so changed the structure of the earth in all this region. These masses are found with every degree of dip to the horizon; from two to twenty feet below the surface. The operative miners lease a certain tract of land, which is staked out to them. One or many persons fall to digging upon this spot. Sometimes a single man will dig a ton of ore in a day; and sometimes he will dig a week without lighting upon a single pound. The digging itself is a species of gambling; and of the 1,200 laborers, who are sometimes digging here

at a time, very few are not steadily addicted to that practice. This immorality is naturally inspired by the pursuit, so like gambling itself; and by all that is seen or felt in example. Few attempts have yet been made to mine upon scientific principles. Adventurers go, as fancy directs them. There are creeds of mineralogy peculiar to these wild people; and there are not a few, who believe implicitly in Bletonism, or the mysteries of the divining rod. Some, who have long resided here, and observed keenly, and noted in their memories the circumstances, that usually accompany the finding of ore, have acquired a great fund of practical knowledge upon the subject. Discoveries, as they are called, are continually making, when the adventurers flock from one place to another, according as the fame of recent success has been blazoned of it. The names of the principal diggings are as follow. Barton, Shibboleth, Lebaum's, Old mines, Bryan's, Pratt's, Robbins', Astraddle, La Motte, a Joe, Renault's, New Diggings, Liberty, Canon's, Silver's, A. Martin, &c. The business of digging has increased and diminished a great many times, according to the changing circumstances of the country.— At present, that our lead is protected by a duty, upon that brought from abroad, the business is increasing. Fifty diggings are occupied. Something more than 3,000,000 pounds are annually smelted, giving employment to nearly 1,200 hands. The ore is principally of that class, called *galena*, and is very rich, yielding from seventy-five to eighty per cent. So much lead remains in the slag, that there are people, who purchase it, to smelt it anew. A considerable portion of arsenic is driven from the lead, while it is smelting. The fumes of the smelting masses of ore are clearly poisonous; and cattle die from licking the *slag*, that is thrown out. In digging the lead ore zinc, calamine, and manganese are dug up with it, and are thrown by, as

useless. Barytes is also common among the lead ore. Its great specific gravity, its whiteness, and its susceptibility of being ground to an impalpable powder, render it a valuable addition to white lead. The quality of the paint is supposed to be improved by the addition. The manufacture of red lead has been attempted here. But we are not informed, that the making of white lead, or even sheet lead has yet been attempted to any extent. Shot towers are erected at Herculaneum and at other places, and great quantities of that article are exported. The mine country is remarkable for its salubrity; for the number of its sites for water mills; for the fertility of its soil, and the enterprize of its farmers. It should seem, that no part of the country, west of the Mississippi, so earnestly invited manufactures, especially those of lead. Those of iron have been attempted on a large scale. These mines, if worked to the extent, of which they are capable, would not only supply lead enough for the United States, but for the world. The country, where the diggings have been made, exhibits a curious spectacle. Coarse, and dilapidated air furnaces, immense piles of slags, and all the accompaniments of smelting, show, in how many deserted places these operations have been performed. The earth, thrown up in the diggings, has portions of oxidized minerals, and acquires in the air a brilliant reddish hue; and the numberless excavations have the appearance of being graves for giants. It is an hundred years, since the French began to dig lead ore in this region. Salt is made in large quantities at Boon's lick, and near St. Genevieve and Herculaneum.

Rivers. This state takes its name from the Missouri, which empties into the Mississippi on its eastern limit.— This is by far the largest tributary of the Mississippi, bringing down more water, than the upper Mississippi itself.— In fact, it is a longer river, than the Mississippi, from its

farthest source to the Mexican gulf. There are many circumstances, which render it one of the most interesting rivers; and it is clearly the longest tributary stream on the globe. Many have thought, that from its length, the amount of its waters, and the circumstance of its communicating its own character, in every respect to the Mississippi below the junction, that it ought to have been considered the main river, and to have continued to bear its own name to the sea. In opposition to this claim, we remark, that the valley of the Missouri seems, in the grand scale of conformation, to be secondary to that of the Mississippi. The Missouri has not the general direction of that river, which it joins nearly at right angles. The valley of the Mississippi is wider, than that of the Missouri, as is also the river broader than the other. The course of the river, and the direction of the valley are the same, above and below the junction of the Missouri. From these and many other considerations, the 'father of waters' seems fairly entitled to the name, which he has so long borne.

The Missouri has a course of between four and five hundred miles in this state, and the whole of the remainder in the territory of Missouri. It seems proper, therefore, that we should here give a general description of this river, as belonging to this state. Its prodigious length of course, its uncommon turbidness, its impetuous and wild character, and the singular country, through which it runs, impart to this river a natural grandeur belonging to the sublime. We have never crossed it, without experiencing a feeling of that sort; nor without a stretch, almost laborious in the attempt to trace it in thought, along its immense distances, and through its distant regions and countries to the lonely and stupendous mountains, from which it springs.

It rises in the Rocky mountains, nearly in the same parallel with the Mississippi. The most authentic information we have yet had of the sources of this mighty river, is from its first intrepid American discoverers, Lewis and Clarke. What may properly be called the Missouri seems to be formed by three considerable branches, which unite not far from the bases of the principal ranges of the mountains. To the northern they gave the name of Jefferson, to the middle, Gallatin, and to the southern, Madison.— Each of these branches fork again into a number of small mountain streams. It is but a short distance from some of these to the head waters of the Columbia, on the other side of the mountains. A person may drink from the spring sources of each, without travelling more than a mile. After this junction, the river continues a considerable distance to be still a foaming mountain torrent. It then spreads into a broad and comparatively gentle stream full of islands. Precipitous peaks of blackish rock frown above the river, in perpendicular elevations of 1,000 feet. The mountains, whose bases it sweeps, are covered with terebinthines, such as pines, cedars and firs; and mountain sheep are seen bounding on their summits, where they are apparently inaccessible. In this distance the mountains have an aspect of inexpressible loneliness and grandeur.

The river then becomes almost a continued cataract for a distance of about seventeen miles. In this distance its perpendicular descent is 362 feet. The first fall is ninety eight feet; the second, nineteen; the third, forty-seven; the fourth, twenty-six. It continues rapid for a long distance beyond. Not far below these falls, enters Maria's river, from the north. This is a very considerable stream. Still farther down on the opposite side enter Dearborn and Fancy, each about 150 yards wide. Manoles 160,

Big horn, 100, Muscle shell, 100, Big dry, 400, Dry, 700, Porcupine, 112; all these enter from the south side. Below these enters the Roche Jaune, or Yellow Stone, probably the largest tributary of the Missouri. It rises in the same ranges of mountains with the main river, and has many points of resemblance to it. It enters from the south by a mouth 850 yards wide. It is a broad, deep, and sweeping river; and at its junction appears the largest of the two. Its course is commonly calculated at 1,600 miles. But the sizes and lengths of all these tributaries are probably over rated. Its shores, for a long distance above its entrance, are heavily timbered, and its bottoms wide, and of the finest soil. Its entrance is deemed to be 1,880 miles above the mouth of the Missouri; and it was selected by the government, as an eligible situation for a military post, and an extensive settlement. White bears, elk, and mountain sheep, are the principal animals seen along this part of the river.

At the point of junction with the Yellow Stone, the Missouri has wide and fine bottoms. Unfortunately, its banks are for the most part destitute of timber, and this for a long series of years will prevent its capacity for habitation. White earth river from the north is a small stream. Goose river, 300 yards wide, comes in from the south side. Little Missouri is shallow and rapid, and is about 130 yards wide. Knife river comes in from the south side, just above the Mandan villages. Cannon ball river enters from the south side, and is 140 yards wide. Winnipenhu, south side. Serwarserna, south side. Chienne is represented to be boatable nearly 800 miles; and enters from the south side, by a mouth 400 yards wide. Tyber's river. White river, boatable 600 miles south side, is a very beautiful stream, and has a mouth 300 yards wide. Poncas, south side. Qui-Courre, a finest ream with a short course, south

side. *Rivierre, a Jaque*, a noted resort for traders and trappers. White stone, Big Sioux, Floyd's river. — La Platte enters from the south, and has a longer course, than any other river of the Missouri. It rises in the same ranges of mountains with the parent stream, and, measured by its meanders, is supposed to have a course of 2,000 miles before it joins that river. It is nearly a mile in width at its entrance; but is as its name imports, very shallow, and is not boatable except at its highest floods. Nodawa, north side. Little Platte, north side. Kansas, is a very large tributary from the south, and has a course of 1,200 miles; and is boatable for most of the distance. — Blue water, and two or three small streams below, come in on the south side. Grand river is a large, long and deep stream, boatable for a great distance, and enters on the north side. The two Charatons, come in on the same side. The La Mine enters on the south side. Bonne Femme, and Manitou, enter on the north side, and Salt river on the south.

The Osage, which enters on the south side, is a large, and very important stream of the Missouri, boatable 660 miles and interlocking with the waters of the Arkansas. Three or four inconsiderable streams enter on the opposite side, as Miry, Otter and Cedar rivers. On the south side enters the Gasconade, boatable for 66 miles, and is important for having on its banks extensive pine forests, from which the great supply of plank and timber of that kind is brought to St. Charles and St. Louis. On the south side, below the Gasconade are a number of inconsiderable rivers, as Buffalo, St. John's, Wood river, Bonhomme, &c.; and on the other side, the Charette, Femme Osage, and one or two other small branches, before it precipitates itself into the Mississippi.

The bottoms of this river have a character, very distinguishable from those of the upper Mississippi. They are higher, not so wet, more sandy, with trees which are not so large, but taller and straighter. Its alluvions are something narrower; that is to say, having for the first 500 miles a medial width of something more than four miles. Its bluffs, like those of the other river, are generally lime stone, but not so perpendicular; and have more tendency to run into the *mamelle* form. The bottoms abound with deer, turkeys and small game. The river seldom overflows any part of its banks, in this distance. It is little inclined to be swampy. There are much fewer lakes, bayous, and small ponds, than along the Mississippi. Prairies are scarcely seen on the banks of the river, within the distance of the first 400 miles of its course. It is heavily timbered, and yet from the softness of the wood, easily cleared. The water, though uncommonly turbid with a whitish earth, which it holds in suspension, soon and easily settles, and is then remarkably pure, pleasant and healthy water. The river is so rapid and sweeping in its course, and its bed is composed of such masses of sand, that it is continually shifting its sand bars. A chart of the river, as it runs this year, gives little ground for calculation, in navigating it the next. It has numerous islands, and generally near them is the most difficult to be stemmed.— Still more than the Mississippi below its mouth, it tears up in one place, and deposits in another; and makes more frequent and powerful changes in its channel, than any other western river.

Its bottoms are considerably settled for a distance of 400 miles above its mouth. That of Charaton is the highest compact settlement. But the largest and most populous settlement in the state is that called Boone's lick. Indeed, there are American settlers, here and there, on the bottoms,

above the Platte, and far beyond the limits of the state of Missouri. Above the Platte the open and prairie character of the country begins to develope. The prairies come quite in to the banks of the river; and stretch from it indefinitely, in naked grass plains, where the traveller may wander for days, without seeing either wood or water.—The 'Council Bluffs' are an important military station, about 600 miles up the Missouri. Beyond this point commences a country of great interest and grandeur in many respects; and denominated, by way of eminence, the Upper Missouri. The country is composed of vast and almost boundless grass plains, through which stretch the Platte, the Yellow Stone, and the other rivers of this ocean of grass. The savages of this region have a peculiar physiognomy and mode of life. It is a country, where commence new tribes of plants. It is the home of buffalos, elk, white bears, antelopes and mountain sheep. Sometimes the river washes the bases of the dark hills of a friable and crumbling soil. Here are found, as Lewis and Clark, and other respectable travellers relate, large and singular petrifications, both animal and vegetable.—On the top of one of these hills they found the petrified skeleton of a huge fish, forty-five feet in length. The herds of the gregarious animals, particularly the buffalos, are innumerable. Such is the general character of the country, until we come in contact with the spurs of the Rocky mountains.

As far as the limits of the state, this river is capable of supporting a dense population, for a considerable distance from its banks. Above those limits it is generally too destitute of wood, to become habitable by any other people, than hunters and shepherds. All the great tributaries of this river are copies, more, or less exact, of the parent stream. One general remark applies to the whole coun-

try. The rivers have a narrow margin of fertility. The country, as it recedes from the river, becomes more and more sterile, sandy and destitute of water, until it approximates in character towards the sandy deserts of Arabia.

The Osage, as we have mentioned, is one of the principal tributaries of the Missouri in this state. It comes in on the south side of the Missouri, 130 miles above its junction with the Mississippi. At its mouth it is nearly 400 yards wide. Its general course is from south to north; and the best cotton country in the state of Missouri is on the head waters of this river. Its principal branches are Mary's, Big Bone, Yungar, Potatoe, and Grand Fork rivers. Yungar is nearly as large, as the parent stream; and is navigable for small crafts, except at its grand cascade, for nearly an hundred miles. The cascade is a great cataract of ninety feet fall. When the river is full, the roar is heard far through the desert. It is a fine country, through which the river runs. The banks are timbered, and abound with game, particularly bears. An interesting missionary station is situated on its waters. This station is under the care of the 'American board of foreign missions,' and it has many Indian children in its school; and is in a very flourishing condition. The Maramec is a beautiful river, which runs through the mineral region, and enters the Mississippi eighteen miles below St. Louis. It is between two and three hundred yards wide at its mouth; and is boatable in time of high waters 200 miles. Big river, Bourbon, and Negro Fork are branches of this river, which in their turn are fed by numerous mountain streams, that wind through the mine country. Bonhomme is an inconsiderable stream, that enters the Missouri twenty-eight miles above its mouth. We have already named the Gasconade, so important to this country from the supplies of pine plank and lumber, with which it furnishes the

country below it. There are a great number of considerable streams, which enter the Missouri and the Mississippi from the south, whose names we have already mentioned. The principal of them, are the Swashing, Gabourie, Saline, Apple creek, &c. St. Francis, and White river with their numerous branches rise in this state. Above St. Louis, on the eastern limits of the state, a number of considerable rivers enter the upper Mississippi, as Dardenne, Cuivre, Salt river, Two rivers, &c. Of these, Salt river is the most considerable, having a boatable course of forty or fifty miles. This river waters as fine a tract of country, as any in the state. The lands are also excellent about Two rivers. There are fifty other streams in this state, that, in the winter carry considerable water, and in summer become almost, or quite dry. This circumstance, common to the smaller streams over all the West, is peculiarly so here, where the intense ardor of the summer's sun, the sandy nature of the soil, the unfrequency of summer rains, the dryness of the atmosphere, and the open and untimbered face of the country, all conspire to dry up all streams, but those, that are supplied by perennial springs, or by continued ranges of high hills. As a general fact we should observe, that Missouri has a great many advantages in her soil, climate, and position, counterbalanced in some degree by the disadvantage of not being as well watered, as most of the other western states. From this cause, and from the levelness of the general face of the country, mill seats, commanding a lasting water power are uncommon. It is well known, that western husbandmen almost universally prefer a spring to a well, where they can obtain the one, or the other. Of course, it is considered an essential requisite, in the capability of a tract of land to be settled, that it should have a spring on it. There are, however, large tracts of the richest land in this state so level,

as to be incapable of springs; and where the farmers of course are obliged to resort to wells.

Game, &c. The hunter will find in no country a finer field for his pursuits, than in this. In the unsettled parts, and in certain districts, bears are still sufficiently common to be hunted, as an employment. The oil of the bear is an article of extensive culinary use and of sale. Deer, as we have remarked, are in some places, almost as numerous, as the domestic cattle. Wild turkeys in many places furnish admirable sport to the gunner. In the last of autumn and the first of winter, prairie hens are seen in flocks. Partridges are frequent all the year. Squirrels, ground hogs, wood chucks, and raccoons abound.—Wolves, panthers, and wild cats are but too common. In all the considerable rivers, fish are abundant. But they are generally large, coarse, and of an inferior quality.

Chief Towns. St. Louis is the commercial capital of Missouri, and the largest town in this valley west of the Mississippi. It is situated eighteen miles below the mouth of the Missouri, between thirty and forty below the mouth of Illinois, nearly 200 above the mouth of the Ohio, and about 1,200 above New Orleans. Nature seldom offers a more delightful site for a town. In many respects it resembles that of Albany in New York. It is on a kind of second bottom, that rises gently from the water to a second bank. The ascent to this is not at all precipitous. Having surmounted this bank, an extensive plain opens to view. In the immediate vicinity of the town, this plain is covered with bushes and shrub oaks. Beyond is an extensive belt of grassy plain, or naked prairie. The timber within nine or ten miles has been cut away for fuel. In summer the eye reposes with pleasure upon this sweep of verdure, bounded on the verge of the horizon with forests. But in winter the prospect is bleak and desolate. The eye always

dwells with delight upon the level bottom and the noble forest on the opposite shore of the river. In 1814, there were but few American houses in the place. There were a few stone houses covered with plaster. The circular stone forts beyond the town, white with plaster, and the hoariness of age, together with the whiteness of the houses in general, from the French fashion of annual white washing, gave the town a romantic and imposing appearance, when seen from a distance. With the exception of two or three aristocratic establishments, when contemplated near at hand, the houses were mean, frail and uncomfortable establishments. The streets were narrow and dirty; and it was in fact, on the whole, a disagreeable town.—Soon after that time, a new impulse was given to the town by American laws, enterprize and occupancy. Most of the houses, that have been added within the last ten years, have been of brick or stone. Some of the public buildings are handsome. There are two respectable protestant churches. The catholic cathedral, when completed, is intended to be a magnificent structure. It is not yet completed. The town has extended itself along the hill, and some of the best houses are on that delightful elevation. The houses in 1820, were reckoned at more than 600, and the inhabitants in the the town and vicinity at 6,000. The town was then stationary, or perhaps retrograde. But since that time the lead business has been re-animated by a protecting duty upon foreign lead. The fur trade has received a new impulse. The town has recovered from the shock caused by the failure of its banks. A healthy circulation has been restored, and the town is now rapidly increasing in business and population. In the year 1818, 100 houses were added to the place. The principal street is more than a mile in length. Three or four gazettes are printed here. There is an academy, a catholic

seminary and a number of respectable schools. The French have communicated to the people a taste for gardening; and there are a number of very handsome gardens in and about the town. Very few towns in the United States, or the world, have a more mixed population. Among the original inhabitants, there is no inconsiderable mixture of Indian blood. The American population now predominates over that of the French; and is made up of immigrants from all the states. There is also a sprinkling of people from all quarters of the world. As a central point in the Mississippi valley, it has been an asylum, at least for a time, to immigrants, and adventurers of every character. Making due allowance for this circumstance, the people are generally quiet and decent in their manners. Many adventurers come here, and find themselves in a position to claim a standing in society, which they have not been accustomed to possess. Hence the occasions for broils, from supposed neglect, contempt, or questioning of character will be numerous; and fatal rencounters, denominated 'affairs of honor,' are a bloody stain upon the character of the place. There is a presbyterian, baptist, methodist, and catholic society in the town; and the institutions of religion are beginning to have considerable effect upon the manners and moral character of the people. Whoever observes the position of this town on the map, will see, that it is very favorably situated to become a town of supply of merchandize to a vast tract of country. In the centre of the Mississippi valley, commanding the trade of the Missouri, the upper Mississippi, and the Illinois, the capital of a very extensive fur trade, and the depot for as rich lead mines, as are in the world, it must necessarily become a large town. It has one obvious advantage over any town on the Ohio. Steam boats can come to St. Louis from New Orleans, at the lowest

stages of the water. It is even now very common for travellers from the Atlantic country, who are bound in the autumn to New Orleans, to take passage from Cincinnati across the country, to St. Louis, in order to avail themselves of the advantage of a direct passage to New Orleans in the steam boat. The lowness of the water in the Ohio, and the difficulty of passing over the falls at Louisville, render a direct steam boat passage from Cincinnati to New Orleans, at that season of the year, an uncommon occurrence. A great number of keel boats, and river crafts of all descriptions, bound to all points of the boatable waters of the Mississippi, are seen at all seasons lying in the harbor at St. Louis. Miners, trappers, hunters, adventurers, immigrants, and people of all characters and languages, and with all kinds of views and objects, meet here, and in pursuit of their various projects, scatter thence to the remotest points of the valley. The moral character of this town, so rapidly approaching the rank and consequence of a city, is rising. It still furnishes a temporary home to desperate and abandoned characters, who hope, in crossing the Mississippi, to fly beyond law and conscience. The character of the permanent inhabitants is respectable. Good regulations of every sort are advancing. The Sabbath is respected; and a wholesome police is establishing. Such a stream of immigrants is continually pouring in upon the place, and the people have so learned the habit of distrust, that hospitality to strangers is not a characteristic of the people.

St. Genevieve is situated at the upper extremity of a beautiful alluvial prairie, about a mile west of the Mississippi. It is built on the Gabourie, a small creek, which is occasionally boatable. The town contains a catholic church, some neat French houses, a great many indifferent ones, and but few American establishments. The

situation of this village is happy. Much lead is brought here for exportation; and yet the town does not appear to thrive; not possessing more inhabitants, than it did thirty years ago. The present number is supposed to be about 1,500. The prairie below the town is of extreme fertility, and containing 6,000 acres, fenced, and cultivated in common. On the hill, west of the town, there is a handsome building erected for an academy. From this place there is a magnificent view of the village, the bluffs above it, the prairie below, and the Mississippi sweeping along in the distance. The catholic worship is the prevailing one here; and the inhabitants are principally French.

Jackson, the county town of Cape Girardeau county, and about twelve miles west of the Mississippi is a respectable village, containing near 100 houses, some of them handsomely built of brick. It is in the centre of one of the most populous and thriving counties in the state.

Cape Girardeau is on a beautiful bluff on the Mississippi, fifty miles above the mouth of the Ohio. It has a fine harbor for boats, and commands a noble view of the river above and below. It exhibits symptoms of decay. About this town, that beautiful tree, called yellow poplar, or *tulipifera liriodendron* attains its utmost developement. Potosi is the county town of Washington, and is the centre of the mine district. It is situated in a pleasant valley, surrounded by hills. It is sixty-five miles south-west from St. Louis, and forty-five west from St. Genevieve. St. Michael is an old French village also among the mines. There are a number of other small villages, commenced in the mine district. Herculanum is situated on the west bank of the Mississippi, thirty miles below St. Louis. It is a narrow alluvial plain, hemmed in on all sides, but the river, by high and romantic bluffs, rendered still more imposing by having a number of shot towers placed on their summits.

This is the chief place of deposit for the lead of the lead mines. New Madrid is situated on the Mississippi, fifty miles below the mouth of the Ohio. This small village was once much more considerable, than it now is. It is memorable for the romantic history of its origin under general Morgan, in the times of the Spanish regime. It is memorable for the singular history connected with many of its inhabitants, some of whom were distinguished Europeans. It is memorable for the terrible earthquakes, which it endured in 1811, and 1812. These earthquakes were more severe, than any on the records of our part of the continent. The western country was shook in every direction. Thousands of acres were sunk, and multitudes of lakes and ponds were created. The church yard of this village, with all its sleeping tenants, was precipitated into the river. The trees lashed together, were thrown down, or bent in every direction. The earth burst, in what were called sand blows. Earth, sand and water were thrown up to great heights in the air. The river was dammed up, and flowed backwards. Birds descended from the air, and took shelter in the bosoms of people, that were passing. The whole country was inundated. A great number of boats, passing on the river, were sunk.—One or two, that were fastened to islands, were sunk with the islands. The country was but sparsely peopled, and most of the buildings, fortunately, were cabins, or of logs; and it was from these circumstances, that but few people perished. No country can recount a history of earthquakes, attended with more terrific circumstances of commotion in all the elements, and threatening more exterminating war with man and with nature, than this. The thriving country about this village was desolated; and as the earthquakes continued in gentler shocks, and have not ceased even to this time, there seemed to be good reasons

for abandoning the country. The people are becoming more assured with respect to the future, and are returning to the country again.

There is a large and very fine tract of alluvial and prairie country back of this village. The Big prairie, about twelve miles distant, is a charming tract of country for farmers. But from the number of lakes, created by the earthquakes, and from the extent of the swampy and inundated country in its vicinity, the country about New Madrid has the reputation of being unhealthy. A bayou, that enters the river just above the village, creates a great eddy and an admirable harbor, and New Madrid is next to Natchez, the most noted landing place for boats above New Orleans on the Mississippi.

St. Charles, on the Missouri, is a pleasant village of about 1,200 inhabitants. There is one long street, on which are a good number of handsome brick buildings. It is situated twenty miles above the mouth of the Missouri, and the same distance north-west of St. Louis. All former accounts assigned to this place crumbling and falling-in banks, and a level below precipitous bluffs, only wide enough for one street. The fact is, that the banks between the village and the river are of solid limestone; and above the village we ascend by a moderate acclivity to a most beautiful plateau of great extent. These bluffs command a noble view of the Missouri and its islands. Back of the village is a large extent of level country, covered with hazle copse, yielding abundance of wild haps, grapes and prairie plums.— At two miles distance below the town, opens the beautiful Point prairie, and we know of no place in the western country, that has a more interesting country adjoining it, than this village. There is a protestant and a catholic church here. It was for a number of years the political metropolis of the state. There are fine farms in the vi-

city, and the inhabitants are noted for their sober and orderly habits. About one-third of the inhabitants of this pleasant village are French. Carondelet is a small French village, six miles below St. Louis. Many of the garden vegetables, sold in St. Louis market, are raised here. Troy, Louisianaville, Clarksville and Petersburg, are small villages on the upper Mississippi and its waters. Jefferson is a new town above the mouth of the Osage on the south side of the Missouri. It is nearly central to the state; and is designated by the legislature, as its future political metropolis. Franklin is situated on the north bank of the Missouri, 150 miles by land above St. Louis, and more than 200 by the river. It is estimated to contain over 200 houses; and about 1,200 inhabitants. It is surrounded by the largest body of rich land in the state; and is the centre of a very populous region of rich and respectable farmers.—Booneville, opposite to Franklin, on the other side of the Missouri, was originally settled by Col. Boone, the patriarch of Kentucky. Charaton is a small village at the mouth of a river of the same name. Bluffton is a village upon the same side of the river, and still higher on it, being, in fact, but a little distance within the western territorial limits of the state.

Constitution, Laws, &c. This state adopted her constitution, and was admitted into the union in 1820. In its general features it resembles those of the other states. The senators are elected for four years, and the representatives for two. The governor is elected for four years. The judiciary is vested in a supreme court, a chancellor's court, and circuit, and other subordinate courts, the judges of which hold their offices, during good behavior. Every free citizen, who has resided a year in the state, and the last three months preceding the election in the district, is entitled to his vote in that district. It is well known, that

the article which allowed slavery, in the constitution, was long and bitterly contested in the national legislature.

Manners, &c. The same provisions are made for education, as in most of the other Western states. In the towns and villages there are respectable schools; and the people generally are impressed with the importance and necessity of educating their children. There is evidently a growing interest in this concern. With those, who are able to educate their children, pride, united with better motives and considerations, is sufficient to induce parents to place the means of education within the reach of their children. There exist too many rude and ignorant people here, as in all the western country, who say, that they have been enabled to go through life comfortably, without education; and that their children are as able to do so, as they were. Beside the schools, which we have mentioned, in St. Louis, there are schools, dignified with the name of academies in different parts of the state. The catholics have two or three establishments of *religious*, who receive young ladies for instruction. There is, also, a theological school of some distinction in the barrens below St. Genevieve for the preparation of catholic *eleves* for the ministry. In St. Louis, St. Charles, and some of the other villages, society exhibits in the main, the same aspect, that it does in other towns of a like size in the United States. It must be admitted, that in the country there is a perceptible shade of the roughness of people, who are far removed from the bosom of society, and whose manners are little softened, or restrained by the moulding influence of public opinion. The roughness of the backwoods men is often, however, accompanied with an open hospitality, an honest simplicity, and a genuine kindness of heart, which render a residence among them as pleasant, as in those regions where observance, and public opinion have created a great-

of degree of apparent refinement. It might be expected, that in a country west of the Mississippi, a new and almost a boundless one, with few of the barriers of laws, or local limits of habitation and property, over an extent of nearly 1,000 leagues between it and the Western sea, would be the natural resort of wild and adventurous spirits, whose object was, as they often express it themselves, to fly '*beyond Sabbath.*' It is so in fact. But there is more of order and quietness, and of regulated society and correct public opinion, than in such a state of things we should have a right to expect. There is a considerable and increasing number of religious societies, among which those of the methodists are the most numerous. The presbyterians and baptists have also many congregations and churches. The Cumberland presbyterians are making considerable progress here, as they are in all these regions. The French and Irish people are for the most part catholics. The number of catholic congregations, probably, exceeds that of any particular denomination of the protestants. The spirit of religious tolerance prevails to an excellent degree. Neighbors and relatives worship in churches of different denominations, without disturbing the intercourse of common life.

The French of this country have their characteristic national manners. They are the same gay, and seemingly happy people. Those among them that have standing, wealth and education, have no other differences of character from the same people of other nations, except such, as result from their national temperament and manners.—The poorer classes of the French people have an unique and peculiar character. They were born for the most part in the woods, or at least far from society. They are accustomed from infancy rather to the life of huntsmen, trappers and boatmen, than of husbandmen. They gen-

erally make indifferent farmers. Their cabin indeed shows well at a distance; and the mud daubing is carefully white washed. They have gardens neatly laid out, and kept clean of weeds. Beyond this the establishments of the *petits paysans* are generally sterile and comfortless.— Their ancestors were accustomed to continual intercourse with the savages. They were in the habit of travelling many hundred leagues from their habitations in canoes, or on the banks of the streams, to hunt, procure furs, or honey; or traffic with the Indians. They were accustomed to the prompt and despotic mandate and decision of a commandant. Of course they were prepared to have but very inadequate ideas of the inestimable value of the mild, but protracted dispensation of justice in our courts. They were accustomed to regard our laws, as a bottomless gulf; and had for a long time, after they came under our government, a salutary dread of a *process*, which had a happy influence, to deter them from litigation. Familiarity with our decisions has gradually lessened this dread; and when they once acquire a passion for litigation, they are more keen in pursuit of their object, than the Americans. It is indeed an unpleasant, but just reflection, that while we have given them political consideration, and have learned them the value of land, and the necessity of cultivation, the comforts of municipal life, and the importance of education, we have also communicated to them a passion for litigation, and a fondness for ardent spirits.— They are intermarrying and amalgamating with the Anglo Americans. But even yet, on entering a village, composed of equal divisions of French and American population, the French are seen, as a distinct people by their stature, their gait, their complexion, their houses, and the appearance of their children. They are smaller in stature; have a different costume, walk quicker, have more

meagre forms, and more tanned and sallow complexions. They bow with more grace—are more fluent in conversation, and these are almost universal traits. The Kentuckian, who lives beside them, is heavier, has a rounder and fuller face, a more clear and ruddy complexion, bows less gracefully, or perhaps not at all. He pays no compliments. But we place greater reliance upon his word and the sincerity of his friendship. The wives of the French of this class are accustomed to more drudgery, and submission, than those of their American neighbors; and on the whole there is a much nearer assimilation to Indian thoughts and habits, than there is in our people. They are slow in adopting our improvements in dress and agriculture, and all that concerns their domestic establishment. They are strongly attached to the ways of their forefathers; and are generally bigotted catholics. They have the national *gaieté du cœur*, the French enviable cheerfulness under all circumstances. They are generally temperate and sober; and from their manner of life better calculated to endure the extremes of heat and cold, than the Americans. They support the vicissitudes of climate better; and are not so much exposed to diseases of the country. They make excellent boatmen, huntsmen, and *coureurs du bois*. Their fondness for conversation and *tracasserie* prevents their living in detached and solitary houses, like the Americans. They generally fix themselves in compact villages, where they spend much of their time together, and in conversation.

The catholic worship has the same hold of their affections, which it had in the hearts of their forefathers, two centuries ago. Their veneration for their priests is unlimited; and the latter dare rely upon a credulity, which in other catholic countries has long since passed away. For instance, they had, not many years since, processions to

pray the Mississippi down, when it threatened a desolating inundation, and to banish the locusts by the intercession of the saints. So firmly are they fixed in their religious opinions, that they are apt to regard protestant efforts to convert them, not as arrogant only, but impious. To all attempts which protestant missionaries have made, to change them to our faith, they have a reply, but too unanswerable, in their charges of dissipated and immoral life, in the case of their protestant neighbors and friends.

History. The general history of upper Louisiana has already been given. St. Louis was founded in 1764, by Pierre Laclade, Maxan and company. The principal inhabitants were from Canada. It was conceived to be a favorable point for centering the fur and Indian trade of the upper and lower Missouri and Mississippi. Among the first and most respectable settlers was M. Choteau, a name still very respectable in the country. In 1766, this village received a large accession of inhabitants from the opposite shore of the Mississippi, of people, who preferred the regime of Spain to that of England. Hunting, trapping and trading with the Indians was the great business of the country. Spain expended great sums of money in the country, and drew little or nothing from it. Those, who chose to immigrate there, could obtain a settlement right of 640 acres for a trifling *douceur* to the commandant, and, provided they yielded a decent observance to the existing institutions of the country, the Spanish yoke sat very lightly on their shoulders. There were few countries, in which the people lived more happily, and to their own minds than this, until the attack from Michilimackinack, called in the annals of French tradition, *l'annee du coup*. After that attack, St. Louis was fortified with those circular stone bastions, that at present give the town such a picturesque appearance in the distance. From St. Louis the

French hives swarmed to Carondelet, St. Ferdinand, St. Charles, Mine a Burton, St. Michaels, *Cote Sans dessein*, and French trading and hunting establishments were made almost to the bases of the Rocky mountains. The country continued slowly and gradually to settle, and improve, until, as has been related, it passed under the American government. The proudest eulogium, that ever was uttered upon our government, was the immediate rise in the value of lands, consequent upon this transaction. French people, who were in the habit of complaining of this transfer, and of our laws, were not the less willing to take advantage of the immediate and triple value, which their lands acquired. The settlement rights, which had been acquired under the Spanish regime almost for the asking, became at once a competent fortune to their owners. Immigration was discouraged by the sickly season of 1811, commonly called the 'year of waters.' The late war, too, effectually repressed the increase of the country. Many settlements, as that at Boone's lick, and Salt river were broken up. The French seemed in many instances rather disposed to take part with the Indians. But in the progress of the war, the indiscriminate savage appetite for slaughter finally brought the savages to commit murders in the French villages; and this circumstance induced a hearty co-operation with the other population, to resist savage aggressions. There had been a great number of murders committed upon the inhabitants of the remote and unprotected settlements. A considerable force, denominated 'rangers,' was raised in their territory. They marched promptly into the Indian country; and conducted gallantly; and although they had few opportunities of distinguishing themselves, by coming in actual contact with the enemy, this expedition, no doubt, had a great effect to awe, and repress the savage marauders on the frontiers.

The tide of immigration, which had been arrested during the war, set with greater strength towards this country, on the return of peace. The mass of immigrants was constantly accumulating, until the year 1817, when it seems to have reached its height. An hundred persons have been numbered in a day passing through St. Charles, either to Boone's lick, or Salt river. There were sometimes ten wagons in a line, harnessed with from four to six horses.—The whole appearance with their train, the cattle with their hundred bells, the negroes with delight in their countenances, for their labors are suspended, and their imaginations excited; the wagons often carrying two, or three tons, so loaded that the mistress and the children are strolling carelessly along in a gait, which enables them to keep up with the slow travelling carriage, the whole group occupies three quarters of a mile. The slaves generally seem quite as much delighted, and interested in the immigration, as their masters. The whole is a patriarchial scene, and carries the thoughts back to the plains of Mamre.

Up to this time the march of improvement in Missouri was rapid. The face of the country was visibly changing under the eye. St. Louis was built up with houses, which would not have disgraced Philadelphia. St. Charles, and the villages generally, began to be re-built of brick. Fine houses arose in the country. Tread mills and steam mills began to be erected. Schools were established; and important manufactories were either commenced, or in prospect. The rage for speculation in lands became a *mania*, which apparently infected the country. The militia made progress in organization. The population was supposed to amount to 60,000.

A sudden change, operating re-action with more or less force through the whole United States, began to be visible

here, about the year 1817; and went on increasing for four or five years. It resulted from the sudden reduction of prices in the Atlantic country; the pressure of the times; and the sudden failure of the numerous banks of the western country; of which, it appeared, but a few had ever been conducted upon banking principles. As long as the price of lands remained high, and the immigrants continued to pour in, bringing with them the money, with which they bought their lands; as long as the abundant and unnatural circulation of paper, both good and spurious, continued to pass unquestioned, these bills answered all the purposes of money. But the moment this pressure began to operate, in preventing the people, who were disposed to remove to the country, from selling their lands, the tide was arrested. The merchants, who had sold as liberally, as the unnatural abundance of money had enabled the people to purchase, called for payment. The spurious bills failed in the hands of the holders. The merchants remitted from the country all the specie, upon which they could lay their hands. Lands sunk in value at first, and soon would sell for no price at all. A wretched system of expedients was adopted under the name of '*relief laws*.' In Missouri and Illinois, they established a banking system, which was called a *loan office*. The money was redeemable, in equal annual instalments, of ten per cent. per annum, for ten years. The money not having its credit based on specie, in the vaults of its bank, but on the faith of the state, pledged for its redemption, was declared by some of the courts to be illegal, as a tender, as the legislature had made it. Other courts gave an opposite decision. It depreciated successively to seventy-five, fifty, thirty-seven, and finally to twenty-five per cent. of its nominal value.

There was, probably, no part of the United States more severely pressed, than these two states. Improvements of

every sort not only came to a dead pause; but seemed to retrograde. A great number of immigrants had been sick, on removing to a new climate. Clothes, and those groceries, that from habitual use, had become necessities, could not be procured. Even wealthy people felt the distress of the times; for there was not sufficient money to keep up a circulating medium. They falsely imputed these evils of circumstances and the times to that particular section of the country. Many of them packed up their moveables; collected their cattle; left their farms unsold; and returned to the countries, whence they had emigrated.

Many people deemed, that a part of these evils resulted from their being in a territorial government. It appeared by the census, that the state had more inhabitants, than were required by the constitution, in order to form a state. Delegates were accordingly chosen, in 1819, for this purpose. The great object in the canvass that preceded the election, was to prevent any person from being returned, as a member, who was adverse to its becoming a slave-holding state. The slave question was discussed with an asperity, that might naturally be expected to result from the character of the inhabitants, and the magnitude of the interests involved in the question. By a very large majority the allowance to hold slaves was incorporated in the provisions of the constitution. It, also, contained an article interdicting ministers of the gospel from being eligible to any office in the state. We need not repeat here, that the asperity, with which the slave question was discussed at home was transferred to the national legislature, and was canvassed there with more bitterness, than even here. But the provision finally prevailed there, and this state was admitted, in 1820, into the Union, with the privilege of holding slaves.

In the scramble for offices for the state government, that ensued, all the elements of vanity, ambition and aspiring

consequence burst forth. In calling from the common level of society people, unknown to one another and to the state, in the new offices, that were to be filled, a chance was offered for distinction which might never occur again. The electioneering campaign was hardly fought. Many political essays came from the press, which will not, probably, go down to posterity. But on the whole, the redeeming principle, which seems to be mixed with the administration of government on American principles, brought about the issue with a quietness, which, considering the bitterness of the competition, the nature of the case, and the elements of strife and discord, which were so abundantly mixed in this chaotic political mass, was incredible. Alexander M'Nair, was elected the first governor of the state. He had been, for a long time, an inhabitant of St. Louis, and had endeared himself to the people by his familiar and winning manners. The legislature convened at St. Charles. The government went into quiet operation. No political event of a striking character has since occurred. The state continued to labor under its pecuniary embarrassments for some years. But a sound circulation of money was gradually restored. A duty placed upon imported lead gave activity to the working of the mines.—The fur trade resumed its former activity. The steam boat system of freight and transport had a bearing peculiarly favorable upon this state, which has such a great length of coast washed by the Mississippi, and accessible by that species of vessels at all seasons of the year, except when the Mississippi is impeded by ice. About the year 1824, it could be discovered, that the order of prosperity was advancing anew. The towns, especially St. Louis, began to improve again. The tide of immigration once more set this way; and at the present moment, it is almost as powerful as it was in 1817. It has every prospect of becoming a wealthy, populous and powerful state.

ILLINOIS.

LENGTH, 350 miles.—Breadth, 180. Between 37° and 42° 30' N. latitude, and 10° 20' and 14° 21' W. longitude. It contains 50,000 square miles, and nearly 40,000,000 acres. Bounded on the North by the North-western territory. East by lake Michigan, Indiana, and the river Wabash. South by the Ohio, which separates it from Kentucky; and West, in its whole extent, by the Mississippi, which separates it from Missouri, and the Missouri territory.

Face of the country. Next to Louisiana and Delaware, this is, perhaps, the most level state in the Union.—Although north-west of Shawneetown there is a range of hills of some height, which some have chosen to denominate *mountains*. There are, also, considerable elevations along the Illinois, and the bluffs of the Mississippi in some places might almost pass for mountains. In the mineral regions, in the north-west angle of the state, there are also high hills. But the far greater proportion of the state is either distributed in vast plains, or in barrens, that are only gently rolling. We may travel on the vast prairies of this state for days without encountering an elevation, that is worthy to be called a hill. In no part of the peopled divisions of the United States are there such great sections of prairie country, as in this state. One vast prairie, with very little interruption, spreads from the shores of the Mississippi to those of lake

Michigan. These prairies are more distinctly, than in the countries west of the Mississippi, divided into wet and dry prairies; and those, that are alluvial, and those, which are rolling. The low, wet and flat prairies seem once to have been timbered morasses. They contain, in many instances, peat and other fossil indications with logs and the bones of animals, that are now some feet below the surface, and that probably when the trees and the animals fell, were on the surface. These prairies constitute the sources of many of the rivers, which wind through their plains. The alluvial prairies are high and dry; of a rich, black loam, and an exceedingly fertile soil; and are covered with a coarse grass of incredible size and height. The high and rolling prairies are sometimes chequered with groves of sparse trees. The quality of their soil, seldom exceeds second rate, and they abound, in many instances, with springs. Grape vines are abundant upon them; and they constitute an inexhaustible summer range for cattle.

The vast extent of level plains in this country is an injury to it. There is often not sufficient inclination to carry off the water, that falls in rains. Even the high prairies, when they happen to be of a stiff soil, are too wet for cultivation. When the high heats of summer come, these lands discharge their waters, by evaporation, rendered still more noxious by the vast quantities of vegetation which have been steeping in them. Hence it happens, that these beautiful countries are sometimes sickly, where every thing to the eye would only promise health, as well as abundance.

On the route from Cincinnati to St. Louis, the great road passes through this state, in its whole extent of width. More than one hundred miles of this distance is high, dry, and rich prairie. In all this distance in Illinois, the margins of the streams are almost the only places, where

timbered land is found; and the streams have only narrow skirts of wood. The largest prairie in this direction is called 'Grand prairie.' The first stratum of soil, in this wide extent of country, is a black, friable, and sandy loam. It is from two to five feet in thickness. The next stratum is a red clay, mixed with fine sand, and is from five to ten feet in thickness. The third stratum is a hard, blue clay, of a beautiful appearance, and a greasy feeling, mixed with pebbles, and when exposed to the air, emitting a foetid smell. In this stratum, the water of the wells is found; which is, of course, both disagreeable and unhealthy. The soil is of the first quality. In the season of flowers the eye and all the senses receive the highest gratification. In the time of strawberries, thousands of acres are reddened with them; and they are of the finest quality. But this country, which strikes the eye so delightfully, and where millions of acres invite the plough, wants timber for building, fencing and fuel. It wants good water; and in too many instances the inhabitants want health.—Many of these evils may be remedied by the amelioration of cultivation. Forests may soon be raised upon these prairies. Coal and peat may be discovered for fuel.—Hedges and ditches may fence it; and pure water may be found, by carrying the wells below the stratum of earth, that is supposed to impart the sulphureous and disagreeable taste, which the water possesses.

Between Carlisle and St. Louis, an extent of about fifty or sixty miles, we meet with woods, streams, hills, lime stone ledges, and a rolling country; although we cross an occasional prairie quite to the American bottom. On the north of this road, and between it and the Illinois, the surface is generally more irregular. Considerable of the country may be termed broken. The hills abound with stone coal. A range of hills commences at the bluffs, that

bound the American bottom, near Kaskaskia ; and stretches north-eastwardly through the state, towards lake Michigan. A noble lime stone bluff breaks off, almost at right angles to this chain, and stretches along the margin of the American bottom to the point nearly opposite the Missouri. This bluff has, in many places, a regular front of perpendicular lime stone, not unfrequently 300 feet high. Another line of river bluffs commences opposite the mouth of the Missouri, and reaches to the mouth of the Illinois.—At Portage des Sioux, and in other places, these bluffs shoot up into detached points and pinnacles, which, with the hoary color of the rocks, have at a distance the appearance of the ancient spires and towers of a town. This chain of bluffs marks the limits of the alluvion of the Illinois. As along the Mississippi, the face of this grand wall of nature is frequently perpendicular. When the limits of the alluvion are marked on one side by this wall, on the opposite side they are bounded by a succession of singular hills, parallel to each other, called by the French ‘mamelles.’ What is singular is, that a beautiful prairie is seen on that side, which is bounded by the perpendicular bluffs; and a thick and tangled and heavily timbered bottom on the side of the river, that is marked with these mamelles. When the prairie is found on the right or left of the river, so are all these accompaniments, and they regularly alternate, and are found first on one side, and then on the other.

We have already spoken of that beautiful tract of country, denominated the ‘American bottom,’ commencing not far below Kaskaskia, and stretching along the eastern shore of the Mississippi for a distance of eighty miles; and terminating a little distance below the point, opposite the mouth of the Missouri. It is from three to six miles wide; and is divided into two belts. The first, bordering the

Mississippi, is a heavily timbered bottom. The next belt, reaching to the foot of the perpendicular bluffs, is prairie of the richest quality, covered, in the season of vegetation, with grass and flowers. Parts of this tract have been in cultivation with the exhausting crop of maize 100 years, without producing apparently the slightest exhaustion of the soil. No description will convey an adequate idea of the power of vegetation, and the rank luxuriance, with which it operates at the root, along this plain of exhaustless fertility. Unhappily, here, as almost universally, nature has compensated the prodigality of her gifts on the one hand, by counter balancing disadvantages on the other. Wherever the gifts of nature are offered with so little labor, and in such abundance, as here, men will be found. But in the autumn, you will enter but few houses in the whole distance, where some of the members of the family are not sick.

A bottom very similar to this, alternately on the right and left bank of the Illinois, marks its course almost from its mouth to its source. It is in the same manner bounded by bluffs. The same line of hills marks a belt beyond the bluffs. In short, this configuration of the country marks the outlines of all the rivers in the valley of the Mississippi. Each of the great rivers has some distinctive marks impressed upon its bluffs and hills. But the term, 'river, bluffs, and hills,' is a general one, and when predicated of a tract of country, that has not been seen, raises in the mind of a person, acquainted with the general configuration of this country, a clear and distinct idea.

The military bounty lands in Illinois are laid off in the delta of the Illinois and Mississippi. Their shape is that of a curvilinear triangle. More than five million acres have been surveyed, to meet the appropriation of three million and a half acres, which were assigned by con-

gress, as a bounty for soldiers of a certain class. These lands embrace all the varieties of soil, found in any part of the valley of the Mississippi. There are rich bottoms, inundated swamps, grassy prairies, timbered alluvions, perpendicular bluffs, 'mamelles' and river hills, barrens, and all qualities of soil from the best to the worst. Some portions of these lands may be affirmed to be in healthy situations; but such is not the general character of them.— A great portion of them is of first rate quality, as regards richness. The lower portion next the Mississippi, and where the two rivers, for a long distance, are near each other, seldom diverging more than eight miles, is generally of extraordinary fertility; but often inundated, and too often unhealthy. As we ascend the Illinois, and the two rivers diverge, the character of the country becomes more diversified, less subject to inundation, more happily sprinkled with hill, dale, copse and prairie. The north-eastern extent of this tract is in general a very fine country.

It would lead us into a particularity, beyond our object, if we were to go into a detailed description of all the bodies of excellent land in this state. For, we may remark, that not only here, but over all the western country, the lands seem to be distributed in bodies, either of rich, or sterile, level, or broken lands. On Rock river, the Illinois, the Kaskaskia, Embarras, between the Big and Little Wabash, on the Parassaw, the Maccopen, the Sangamo, and on all the considerable streams of this state, there are very large bodies of first rate lands. The Grand prairie, the Mound prairie, the prairie, on which the Marine settlement is fixed, and that, occupied by the society of Christians from New England, are all exceedingly rich tracts.

The Sangamo, in particular, is described as an Arcadian region; in which nature has delighted to bring together

her happiest combinations of landscape. It is generally a level country. The prairies are not so extensive, as to be incapable of settlement from want of timber. The Sangamo itself is a fine boatable water of the Illinois, entering it on the south side, 140 miles above the mouth of the Illinois. All the waters, that enter this beautiful river, have sandy and pebbly bottoms, and pure and transparent waters. There is a happy proportion of timbered and prairie lands. The soil is of great fertility. The climate is not very different from that of New York; and the latitude is about the same. The summer range for cattle is inexhaustible.—The growth of forest trees is similar to that of the rich lands in the western country in general. The proportion of locust, black walnut, and peccan trees, that indicate the richest soils, is very great. Iron and copper ore, salt springs, gypsum, and stone coal are abundant. All, who have visited this fine tract of country, admire the beauty of the landscape, which nature has here formed in her primeval freshness. So beautiful a tract of country was early selected by immigrants from New England, New York, and North Carolina. More than 200 families had fixed themselves here, before it was surveyed. It now constitutes a county, and is thickly settled by thriving farmers. But even here, delightful as the country appears to the eye, and destitute, as it would seem of all causes for sickness, the fever and ague, and autumnal bilious fevers are prevalent. This fine tract of country is nearly central to the state.

A body of lands, perhaps equally extensive and fine with that on the Sangamo, lies along the course of the Kaskaskia, or Okau. This river has a long course through the central parts of the state, and through a country of a surface, happily diversified with hill and vale and prairie and forest. The streams, that fall into this river, have suffi-

cient fall to be favorable for the site of mills. The best settled parts of the state are watered by this river; and on its banks is Kaskaskia, the ancient metropolis, and Vandalia, the present one of the state.

In fact, although there are extensive bodies of sterile, broken, and uncultivable lands in Illinois, yet take the whole of its wide surface together, and we should think, it contained a greater proportion of first rate land, than any state in the Union; and probably as great in proportion to its extent, as any country on the globe. One of the inconveniences, appended to this extent of rich country, is too great a proportion of prairies. Some have conjectured, that two thirds of the country is covered with prairie. But the prevalence of coal and peat under the surface, and the ease and rapidity, with which forest trees are raised, will render even the extensive prairies habitable in process of time.

Rivers. It is only necessary to look on the map of this state, to see what astonishing advantages for inland navigation, nature has given it. On its northern extent, it has for a great distance, the waters of lake Michigan, and the boatable streams that empty into it; and by this vast body of waters, a communication is opened with the northern fronts of Indiana and Ohio; with New York and Canada. On the north-west frontier it has Rock river, a long, beautiful and boatable river of the Mississippi. On the whole western front it is washed by the Mississippi; and on its northern by the Ohio. On the east it is bounded by the Wabash. Through its centre, winds, in one direction, the Illinois, connecting the Mississippi with lake Michigan by the Plein and Kankakee, a river, excepting a short distance of shoals, almost as uniformly boatable, as a canal; and in another direction, the beautiful Kaskaskia winds through the state. Besides these, there are great numbers of boat-

able streams, perforating the state in every direction.— Such is the intersection of this state by such waters, that no settlement in it can be made far from a point of boatable communication, either with lake Michigan, the Mississippi, or the Ohio. It may be added, that when the state shall have been inhabited, as it ought to be, and as it will be, as no country affords greater facilities for making canals, by the friability of the soil, its levelness, and the proximity of the sources of the boatable waters to each other, canals will complete the chain of communications, and transport will be almost as entirely by water in Illinois, as it now is in Holland or China. At present the state is supposed to have 4,000 miles of boatable waters in her limits.

The Illinois, which gives name to the state, may be considered the most important river, whose whole course is in the state. It rises in the north-eastern parts of the state, not more than thirty-five miles from the south-western extremity of lake Michigan, and interlocking by a morass with the river Chicago, which empties into that lake. Its two main head branches are Plein and Kankakee. Thirty miles from the junction of these rivers, enters Fox river from the north. Between this and the Vermilion, enter two or three inconsiderable rivers. The Vermilion is a considerable stream, which enters the Illinois from the south, 260 miles above the Mississippi. Not far below this river, and 210 miles above the Mississippi, commences Peoria lake, which is no more than an enlargement of the river, two miles wide on an average, and twenty miles in length. Such is the depth and regularity of the bottom, that it has no perceptible current whatever. It is a beautiful sheet of water, with romantic shores, generally bounded by prairies; and no waters in the world furnish finer sport for the angler. M'Kee's and Red bud enter not far from

this point. Crow-meadow river almost interlocks, at its source, with the Vermilion of the Wabash. Two or three inconsiderable streams enter the river from the north, not far from the lower extremity of Peoria lake. Still lower down enters from the south Michilimackinack, a very considerable stream, boatable nearly an hundred miles from the river into the interior. Below this enter Spoon and Crooked rivers. Still lower down on the same side, enters the Sangamo, by a mouth 100 yards wide; and is boatable 140 miles. From its position and the excellence of its lands, it is one of the most important rivers of the state.—Chariton, Otter, Apple, and Maccopen rivers are all considerable streams, that water fine tracts of country.

On the north side of the Illinois, the rivers that enter on that shore, have their courses, for the most part, in mountainous bluffs, which often approach near the river. For a great distance above its mouth, the river is almost as straight as a canal; has in summer scarcely a perceptible current, and the waters, though transparent, have a marshy taste to a degree to be almost unpotable. The river is wide and deep; and for the greater part of its width, is filled with aquatic weeds, to such a degree, that no person could swim among them. Only a few yards width, in the centre of the stream, is free from them. It enters the Mississippi, through a deep forest, by a mouth 400 yards wide. Perhaps no river of the western country has so fine a boatable navigation, for such a great distance; or waters a richer and more luxuriant tract of country. It was on the banks of this river, that the first French immigrants from Canada fixed themselves; and here was the scenery, on which they founded their extravagant paintings of the western country. By a very moderate amount of labor and expense, this river might be united with the Chicago of lake Michigan. Appropriations have already been made

by the state for the canal, that is intended to effectuate these purposes. We have already remarked, that at certain seasons of the year, boats of five tons burden already pass through the morass, from one extremity of which the waters are discharged into the Chicago of lake Michigan; and from the other into the Plein of the Illinois; thus furnishing a natural communication between two rivers, whose outlets are so wide and opposite from each other.— Indeed, by the most obvious appearances, along the Illinois and some of its waters; as the Plein for example, it is manifest that lake Michigan once discharged at least, a part of its surplus waters into the Mississippi. This, too, may explain the obvious appearance, in that lake, of being now many feet lower, than once it was. This fact is palpably marked every where on the rocky shores of the lake.

Rock river is one of the most clear and beautiful tributaries of the Mississippi. It has its source beyond the northern limits of the state, and in a ridge of hills, that separates between the waters of the Mississippi and those of lake Michigan. On its waters are extensive and rich lead mines. Its general course is south-west, and it enters the Mississippi, not far above the commencement of the military bounty lands. Opposite the mouth of this river, in the Mississippi, is the beautiful island, called from the name of the river, and on which is a military station of the United States.

Kaskaskia river rises in the interior of the state, nearly interlocking with the waters of lake Michigan. It has a course, in a south-west direction, of between two and three hundred miles, for the greater part of which course, in high stages of water, it is boatable. It runs, as we have seen, through a fine and settled country. It empties into the Mississippi a few miles below the town of the same name. In its long course, it interlocks with the waters of

Sangamo, St. Mary, Big muddy, the little and great Wabash. It receives a great number of tributaries, among which the most considerable are Crooked, Horse, Prairie Long, Silver, Sugar, and Shoal creeks. Its lower course is known to the French people by the name of Okau.

Little Wabash rises forty miles south-east of the Kaskaskia; and runs in a southerly direction 130 miles, emptying into the main Wabash, a few miles above its junction with the Ohio. It is eighty yards wide at its mouth. It is susceptible of a long navigation, when the timber shall have been removed from its bed; and some of its sand bars dug down. An appropriation has been made by the legislature for this purpose. It waters a rich country, abounding in small streams. Fox river is no more than a bayou of the Wabash. Embarras, Macontin, St. Germain, Tortue, Brouette, Dachette, Erablier, Rejoicing and Tippicanoe are all considerable streams of this state, which enter into the Wabash. Most of them have their sources in low prairies, or marshy lakes. They abound in fish and water fowl. Tippicanoe receives its name from a kind of pike, called Piccanau by the savages, which abounds in this river. It is famous for the bloody battle fought on its banks, between our troops under general Harrison, and the savages at the commencement of the late war. As the Wabash belongs in a great measure to Indiana, we shall reserve a further description of it for that state. Henderson is a considerable river entering the Mississippi, 240 miles above St. Louis.

Parassaw enters the Mississippi between Portage des Sioux and the mouth of the Illinois. It has been but recently inhabited. It runs through a fine tract of land. A considerable body of Irish catholics have fixed themselves on this creek. It has a course of nearly fifty miles. Some

little distance below the mouth of the Missouri, enters into the Mississippi Wood creek, which has a course of thirty or forty miles; and has a number of mills erected on it.—Cahokia creek has a considerable length of course, in the American bottom; and enters the Mississippi not far below St. Louis. Big muddy, called also by the French *A Vase*, or *Au Vau*, enters the Mississippi thirty-two miles below the mouth of Kaskaskia. It is a deep, slow stream, carrying a great body of water, considering its width, which is not more than seventy yards. It is boatable 150 miles. It flows through a low and level country, and some parts of its alluvion are subject to inundation. Near its banks are found immense banks of stone coal. St. Mary's is an inconsiderable stream, that empties into the Mississippi a league and a half below the Kaskaskia.

The following rivers of this state empty into the Ohio. The Saline unites its waters with that river, thirty miles below the mouth of the Wabash. It is navigable to the United States Saline, back of Shawneetown, twenty miles from its mouth. Grand Pierre, Lush creek, and Big bay are inconsiderable streams, that are useful, as furnishing sites for mills. Cash is a considerable stream, boatable fifty miles, and is fifty yards wide at its mouth. It enters the Ohio five miles above its mouth.

Minerals. In the north-west angle of this state, and in the adjacent territories are found the richest veins of lead ore, probably, in the world. The mine country, like that in Missouri, is found to be more extensive, in proportion as more researches are made. We have seen specimens of native malleable copper, weighing from one to three pounds. They were found in a hilly region, at a considerable distance east of the Mississippi; and the finder represented the region, where they were found, as having the marks of volcanic explosion about it. Gypsum and min-

eral coal are abundant in this state; as are also Salines; though we know of but one place in the state, where salt is extensively manufactured. Immense quantities of this necessary article are manufactured at the Saline back of Shawneetown.

Climate. This state, in general, has the same climate with Missouri, being much more nearly assimilated in this respect to that state, than to Indiana, or Ohio. But being something lower and more level, than the Missouri country, and more subject to inundation, it is, probably, more humid; and at its north-eastern extremity, where it feels the bleak and desolating gales of the lakes, it is more cold, and has a more uncomfortable air in the winter. It embraces between five and six degrees of latitude. The southern parts will bring cotton, in favorable years, for domestic use. While the climate of the northern parts is not much unlike that of New York and Albany. The productions are the same, as those of the adjoining state of Missouri.

Civil Divisions.

<i>Counties.</i>	<i>Whites.</i>	<i>Free blacks.</i>	<i>Slaves.</i>	<i>All others.</i>	<i>Total.</i>
Alexander,	626	0	0	0	626
Bond,	2822	22	27	0	2931
Clark,	930	0	1	0	931
Crawford,	2927	72	0	23	3022
Edwards,	3422	15	7	0	3444
Franklin,	1691	65	7	0	1763
Gallatin,	2860	28	267	0	3155
Jackson,	1503	0	39	0	1542
Jefferson,	689	1	1	0	691
Johnson,	829	1	13	0	843
Madison,	13,423	17	110	0	13,550
Monroe,	1493	10	13	21	1537
Pope,	2576	34	0	0	2610
Randolph,	3175	84	233	0	3492

St. Clair,	5068	82	98	5	5253
Union,	2338	0	24	0	2362
Washington,	1484	7	26	0	1517
Wayne,	1111	0	3	0	1114
White,	4761	19	48	0	4828
	<hr/> 53,788	<hr/> 917	<hr/> 457	<hr/> 49	<hr/> 55,211

Agriculture, and Manufactures. This state, having a vast extent of the most fertile soil, must of course raise with the greatest ease, all the articles, to which her soil and climate are favorable, in an amount far beyond her consumption. By her long line of coast on the Mississippi, which is never hindered from being navigable, by the lowness of the waters, she has advantages for conveying her articles to market, which the states situated on the Ohio have not. From her immense prairies, and boundless summer range for cattle, she has advantages for raising cattle and horses, over the other western states. Her prairies yield variety of good fodder. In the eastern parts of this state, in the vicinity of French, Indian, or American habitation, wherever the natural prairie grass is 'killed out,' as the phrase is, a fine species of spear grass, here called blue grass, naturally takes place of it. The eastern parts of this state more easily clothe themselves with a fine and verdant turf, than the more sandy soils of Missouri. These circumstances indicate this to be naturally a grazing state. Of course it already sends great numbers of fine cattle and horses to New Orleans. Most of the clothing of the people is manufactured in the domestic way. The coarser kinds of manufactures are found at home. The number of artizans by the census of 1820, exceeded a thousand.

Chief Towns. Vandalia has been fixed on, as the political metropolis of this state. It is pleasantly situated on a high bank of the Kaskaskia river, in the centre of a rich

and thriving country. It has been founded but a few years. But respectable houses for the accommodation of the government and the courts have already been erected. Many handsome brick buildings have arisen. A weekly gazette is issued, and it exhibits in many respects the aspect of a town, and has more than fifty houses. Edwardsville, on Cahokia creek, twenty miles north-east from St. Louis, is a country town, and a village of considerable consequence. Until within a few years, it was the seat of government, which had been transferred from Kaskaskia to that place. Belleville is in the centre of Turkey hill settlement, eighteen miles south-east of St. Louis, and a few miles east of the American bottom. It is a flourishing village in the midst of a compact settlement and most excellent lands. Alton is a new village, a little above the mouth of the Missouri. In four years from its commencement it contained 100 houses, and a respectable boarding school. Many of the people were immigrants from New York. From the favorableness of its position, and from the apparent healthiness of its situation, it bids fair to become a town of consequence.

Carlisle is situated on the west bank of the Kaskaskia, on the great road from Cincinnati to St. Louis. The road from Shawneetown to St. Louis, also passes through this place. Boats of burthen, in good stages of water, can ascend the river to this place. There are few positions in the state, more central to the resources of the country.

Cahokia, on the creek of that name, is situated in the American bottom, a few miles below St. Louis. It is one of the most ancient villages in the country. Its inhabitants are chiefly French; and it is a village of considerable extent. *Prairie du Rocher*, twelve miles above Kaskaskia, is a French village in the American bottom, situated near

a most beautiful lime stone bluff. It is nearly the size of the former village.

Kaskaskia is situated on an extensive plain, not far from the commencement of the American bottom, eleven miles from the mouth of the river, on which it stands, and six miles from the nearest point of the Mississippi. This town was one of the first establishments, made by the French in the valley of the Mississippi; and is a place, whose origin dates farther back, than Philadelphia. It once was a place of great importance, containing 7,000 inhabitants. At present it numbers 160 houses, and 1,000 inhabitants. A more beautiful situation for a town can hardly be imagined. It is in the centre of a beautiful and gently sloping basin, on a fine navigable stream, and in the midst of a country, proverbial for its fertility. It is the seat of justice for its county—has a bank, a printing office, a catholic church, and a land office.

Albion is situated near *Bon Pas* creek, and is the centre of what is called 'the Marine settlement,' formed by Mr. Birkbeck, Flower, and other English immigrants.—There are many wealthy farmers in this vicinity, that were once mariners.

Shawneetown is situated on the Ohio, nine miles below the mouth of the Wabash. The great United States' Saline, situated twelve miles back of this town, contributes to give it consequence. It is the seat of justice for its county. It has a bank, with a large capital, and a land office. Golconda, and America are inconsiderable villages on the Ohio. America, from its position, it should seem, must become one day of consequence. It is a point to which large steam boats can ascend from below, to wait for the smaller boats, that descend the Ohio in low stages of the water. Oxford, Carmi, Palmyra and Palestine are commencing villages on different waters of the Wabash.

Diseases, &c. The climate is so nearly the same with that of Missouri, which we have already described with some particularity, that we need add but little more in this place. It is generally a lower, more extensively watered, and something more humid climate, than that of its sister state, opposite the Mississippi. Its diseases are the same, though, we think it something more subject to intermittent and remittent fevers.

In this state, as well as that, in the extensive and rich bottoms, the cows are subject to a terrible and inexplicable, or at least as yet unexplained disease, called '*milk sickness*.' It occurs most frequently in autumn, and about that period of autumn, when the first severe frosts happen.—From this circumstance, and the fact, that the cattle are then driven by necessity to pasture on the succulent vines and herbage of the forest, that remain unhurt by the frost, it is generally supposed to be occasioned by the eating of some poisonous vegetable. Much search and investigation, to find what it is, has been bestowed to no purpose. The animal, affected with it, becomes apparently weary, faint, weak in the limbs; can travel but a little distance without falling; seems languid, and stupid, and so continues to droop, until it dies. At this time, and under the influence of this sickness, the milk of the cows, taken in any quantity, seems to produce the same disease in men, or whatever animals swallow the milk. The persons are subject to extreme nausea, faintness, vertigo, recklessness and death. There are, probably, many supposed cases of this disease, that are really of another class, and an entirely different origin. Some have questioned, if it be not altogether a fabulous disease. We have no doubt upon the subject. We have conversed with so many, who have had it, and have recovered, and have heard of so many deaths, that were well attested to have arisen from this

cause, that we have no more doubt of its having affected men, than animals. It has been a subject of earnest local disputation among the farmers and physicians, where it occurs. But there has, as yet, appeared nothing satisfactory upon the subject. The only precaution taken by farmers, in such places, is, to pen their cattle at the season, and to be very cautious in the use of milk.

Roads, Public Improvements, &c. The soil in this state, as we remarked of Missouri, in general is favorable to roads. The low and clayey prairies are exceptions.— But there are vast extents of country, where nature has furnished as good roads, as could be desired. Some of the ferries are difficult to cross, in rainy periods, from the muddiness of the approaches to them. There are considerable portions of the country, where the roads are very deep and heavy in the winter. The rivers, furnish most of the communications for transport, that are required. In no part of the United States would it be easier, to make canals for the rest. One between the Chicago and Des Plaines, as we have seen, has been contemplated. The general government has appropriated 100,000 acres of land to aid the project. At this time, when canals are so generally in contemplation, other routes for canals have been surveyed. The same provisions for schools have been made here, as in the other western states. In addition to a thirty-sixth of the whole of public lands, three per cent. on all the sales of public lands are added to the school fund. It is contemplated, to establish an university. One sixth part of the school funds and two entire townships have been appropriated for this purpose. There is, in many places great need of primary schools; though the people display a growing sense of the vital importance of education to the well being of the state. In the more populous and opulent villages, schools are on the same footing,

as in the other places similarly situated, in the United States.

Constitution and Laws. The constitution of this state was adopted in 1818. The representatives and senators are chosen biennially; the governor and lieutenant governor for four years. The judiciary is vested in a supreme court, and such other subordinate courts, as the legislature may see fit to establish. The supreme court consists of a chief justice, and three associate justices, who hold their offices for a given time. All free white males, who have resided six months in the state, are qualified to vote, and they give in their votes at elections *viva voce*.

History. The early history of this country has necessarily been anticipated in the general history of Louisiana. Here were the first French establishments, which were made in the valley of the Mississippi. Some of the French villages date back considerably beyond an hundred years. This colony was known for a long period in French history by the name of the Illinois. They often furnished aid from this colony to Louisiana in her wars with the Spanish and Indians. There was a time, when the Illinois colony furnished, chiefly from the country about Kaskaskia, great quantities of flour and provisions to the colony of Louisiana. During the revolutionary war these French colonies were quiet for the greater part of the time. We have already related the fate of the expedition from Michilimackinack against St. Louis.—In the subsequent Indian wars, this region was the theatre of many a gallant exploit of our partizan warriors. We have already mentioned the brilliant action of general Clark, in capturing a British general and detachment at Vincennes. This country suffered much from the savages, during the late war. Having an immense extent of frontier, contiguous to the lakes and to

savage tribes, that were under British influence, and steadily hostile to us; this was to be naturally expected. We have already narrated the bloody tragedy, that ensued upon the evacuation of fort Chicago. Many frontier settlements were broken up, and many individual murders were committed by the Indians. It would only be a repetition of those horrible narratives, that belong to every frontier country, similarly situated, when assailed by the savages, to give a detailed account of them. The principal theatre of the operations of the rangers was in this state.—Those operations had a great effect, to repress the incursions of the savages.

A considerable number of Sacs and Foxes still inhabit the banks of Rock river, or its waters. The Kaskaskia, Cahokias, Peorias, Piankashaws, Mascontins, Delawares, and Shawnees, are chiefly extinct tribes, or have emigrated from this region. Chippeways and Pottawatomies are still seen in the limits of this state, as occasional hunters or vagrants among the people. But by different treaties, the Indians have ceded the greater part of their territorial claims to lands. The country has experienced, until recently, almost entire freedom from their depredations since the war; and has rapidly advanced in population and improvement. For a series of years, in every autumn, long lines of teams might be seen moving towards Sangamo, or *Mauvaise terre*, the grand points of attraction to immigrants. Nearly the same order of events occurred here, as in Missouri, in relation to the pecuniary embarrassments of the people, after the war. The same expedients of '*relief laws*,' loan office, banking paper, &c., were adopted, with precisely the same results. The history of events in Missouri will answer for that of Illinois, with very little variation. Illinois has adopted a constitution, which does not admit involuntary servitude, or the tenure

by which, masters hold slaves. Some unsuccessful efforts were made by the immigrants from the slave holding states, to have their constitution amended, to admit of slavery.—The question was casually agitated in the papers, and a convention for the purpose was proposed. But the moderation and good sense of the people, allowed this irritating investigation to sleep undisturbed. This great state, with unoccupied and fertile soil, to support millions of agricultural people in affluence, must ultimately become populous, powerful and prosperous.

Curiosities. Rock fort is a projection from the left bank of the river Illinois. Its base is washed on three sides by the Illinois, which here flows rapidly over a rocky bed. Broken masses of rock are seen above the surface of the water. The judgment of the beholder would give the height of this cliff at 250 feet. The actual measurement might, however, fall short of this. Its perpendicular sides, arising from the river, are inaccessible. It is connected with a chain of hills, that extend up the Illinois by a narrow ledge, the only ascent to which, is by a winding and precipitous path. This rock has on its top a level surface, three fourths of an acre in extent; and covered by a soil several feet in depth, which has thrown up a growth of young trees. These form, as they receive their peculiar tints from the seasons, a verdant, or gorgeous, and party colored crown, for this battlement of nature's creation. The advantages which it affords, as an impregnable retreat, induced a band of Illinois Indians, who sought a refuge from the fury of the Pottawattomies, with whom they were at war, to intrench themselves here.—They repulsed all the assaults of their beseigers, and would have remained masters of their high tower, but for the impossibility of longer obtaining supplies of water. They had been used to attaching vessels to ropes of bark,

and dropping them into the river from an overhanging point. Their enemies stationed themselves in canoes at the base of the cliff, and cut off the ropes, as fast as they were let down. The consequence of this was a surrender, and the entire extirpation of the band. An entrenchment corresponding to the edge of the precipice, is distinctly visible, and fragments of antique pottery, and other curious remains of the vanished race, are strewn around.— From this elevated point, the Illinois may be traced as it winds through deep and solitary forests, or outspread plains, onward to the Mississippi, until it disappears from the vision in the distance. In the opposite direction, a prairie stretches out, and blends with the horizon. At the foot of Rock fort, on the land side, the eye reposes on a verdant carpet enamelled with flowers, in the spring time, of surpassing beauty. To relieve the uniformity, from which even this beautiful view would suffer, the forest boundary of the opposite side of the prairie, presents its gracefully curved line, and seems to offer from the noble size of the trees and the thickness and depth of verdure of their foliage ‘that boundless contiguity of shade,’ sought after by the poet.

‘The Cave in Rock,’ or ‘House of Nature,’ below Shawneetown is pointed out to passengers on the Ohio, as a great curiosity; and its front is marked with the names of its visitors. Above and below it are high perpendicular lime stone bluffs, surmounted with cedars, above which are sailing in the blue, eagles, birds of prey, or aquatic fowls. The entrance to the cave is just above high water mark. It has an arched roof, twenty-five or thirty feet high, and extends back 120 feet. It has occasionally afforded a temporary winter asylum to families, descending the river. The immense prairies, and the numberless sink holes of this state are curiosities, no way different from the same spectacles elsewhere.

INDIANA.

LENGTH, 250.—Breadth, 150 miles. Between $37^{\circ} 47'$ and $41^{\circ} 50'$ N. latitude; and $7^{\circ} 45'$ and 11° W. longitude. Bounded north by Michigan territory and lake. West by the state of Illinois. South by the Ohio, which divides it from Kentucky; East by the state of Ohio.

The whole of this state belongs to the valley of the Ohio, or lake Michigan. It is the first of the states, in advancing towards the east, and the north, where nature seems to have divided her surface between prairie and wood land. The greater proportion of this state is clearly timbered country. Here, too, we first find the number and manners of northern people predominating among the immigrants. Here we first discover, in many places, a clear ascendancy of New England dialect, manners and population. Here, too, we discover the natural tendency of this order of things, and this class of immigrants rapidly, and yet silently to fill the country with inhabitants. Missouri and Illinois have occupied a greater space in public estimation, in newspaper description, and in general notoriety. The immigration to those states has been with four or six horse wagons, with large droves of cattle, with considerable numbers of negroes, and composed of immigrants, who had name and standing, who were heads of families, when they removed, and whose immigration was accompanied with a certain degree of eclat. Of

course the immigration of a few families was attended with circumstances, which gave it public notoriety. The immigration to this state has been generally of a different character. It has been for the most part composed of young men, either unmarried or without families. It has been noiseless, and unnoticed. But the difference of the result strikes us with surprizè. While the population of neither of these states exceeds 80,000, the population of this state, at this time, is supposed to exceed 200,000.

Face of the country, soil, &c. The south front of this state is skirted with the usual belt of river hills, bluffs and knobs, known here by the name of 'Ohio hills.' They occupy a greater or less distance from the river; sometimes leaving between their base and the river, a bottom of two or three miles in width; and sometimes, and for no inconsiderable part of the whole length of the southern boundary, they tower directly from the waters of the Ohio. They have a thousand aspects of grandeur and beauty, often rising higher, than 300 feet above the level of the river; and the eye of the southern traveller, ascending the Ohio, which has been used to rest on bottoms boundless to vision, on swamps and plains, and regions without a rock or a hill in the scenery, never tires, in surveying these beautiful bluffs, especially in the spring, when their declivities are crimsoned with the red bud, or whitened with the brilliant blossoms of the dog wood, or rendered verdant with the beautiful May apple.

A range of knobs, stretching from the Ohio to White river of the Wabash, forms the limits of the table lands, that separate the waters of the Ohio from those of White river. North of the Wabash, between Tippicanoe and Ouitanon, the Wabash hills are precipitous, and a considerable extent of country is rough and broken. There are, in different parts of the state, considerable extents of

country that may be pronounced hilly. Such is the south front of the state to a considerable distance from the Ohio. There are not such extensive plains in this state, as in Illinois. Nor are there any hills to vie in height with those back of Shawneetown. But, with some few exceptions, the greater proportion of this state may be pronounced one vast level. To particularize the level tracts would be to describe three fifths of the state. The prairies here, as elsewhere, are uniformly level. The wide extent of country, watered by White river, is generally level. The prairies have the usual distinction of being high, and low, swampy and alluvial. For a wide extent on the north front of the state, between the Wabash and lake Michigan the country is generally an extended plain, alternately prairie and timbered land; with a great proportion of swampy lands, and small lakes and ponds. The prairies are no ways different from those of Illinois. They are alike rich, level, and covered with grass and flowering plants. Some of them, like those of Illinois and Missouri, are broader than can be measured by the eye. Their divisions are marked off, wherever streams cross them, by belts of timbered land. All the rivers of this state have remarkably wide alluvions. Every traveller has spoken with admiration of the beauty and fertility of the prairies along the course of the Wabash, particularly of those in the vicinity of fort Harrison. We have heard competent judges, who have had opportunities of comparison, prefer the prairies on this part of the river, both for beauty and fertility to those of the Illinois, and the upper Mississippi. Perhaps no part of the western world can show greater extents of rich lands in one body, than that extent of the White river country of which Indianapolis is the centre.—Judging of Indiana, from travelling through the south front, from twelve to twenty miles from the Ohio, we should

not, probably, compare it with Ohio or Illinois. But now, that the greater part of the territory is purchased of the Indians, and that all is surveyed, and well understood, it is found, that this state possesses as large a proportion of first rate lands, as any in the western country. With some few exceptions of wide and naked prairies, the divisions of timbered and prairie lands are more happily balanced, than in other parts of the western country. Many rich prairies are long and narrow, so that the whole can be taken up, and yet timber be easily accessible by all the settlers.— There are hundreds of prairies only large enough for a few farms. Even in the large prairies there are those beautiful islands of timbered land, which form such a striking feature in the western prairies. The great extents of fertile land, the happy distribution of rivers and springs may be one reason for the unexampled rapidity, with which this state has peopled. Another reason may be, that being a non-slaveholding state, and next in position beyond Ohio, it was happily situated to arrest the tide of immigration, that set beyond Ohio, after that state was filled.

But as one of the chief objects, in such a work as this, must necessarily be, to point out the relative position and quality of the first rate lands, we shall, perhaps, be least likely to confuse the reader, by adding a few remarks in a single view, upon the qualities of the soil, upon the several rivers, and near the several towns, which we shall describe in the progress of our remarks. The forest trees, shrubs, plants and grasses do not materially differ from those of Illinois and Missouri. There is one specific difference, that should be noted. There is a much greater proportion of beech timber, which increases so much, as we advance east, that in Ohio, it is clearly the principal kind of timber. This state is equally fertile in corn, rye, oats, barley, wheat and the cereal gramina in general. Vast quan-

ties of the richer prairies and bottoms are too rich for wheat, until the natural wild luxuriance of tendency in the soil has been reduced by cropping. Upland rice has been attempted with success. Some of the warm and sheltered valleys have yielded, in favorable years, considerable crops of cotton. No country can exceed this in its adaptedness for rearing the finest fruits and fruit bearing shrubs. Wild berries, in many places are abundant; and on some of the prairies, the strawberries are large, rich and abundant. It is affirmed, that in the northern parts of this state in the low prairies, whole tracts are covered with the beautiful fowl-meadow grass, *poa pratensis*, of the north. It is a certain and admitted fact, that wherever the Indians, or the French have inhabited, long enough to destroy the natural prairie grass, which, it is well known, is soon eradicated, by being pastured by the domestic animals, that surround a farmer's barn, this grass is replaced by the blue grass of the western country, which furnishes not only a verdant and beautiful sward, but covers the earth with a perfect mat of rich fodder, not unlike the second crop, which is cut in the northern states, as the most valuable kind of fodder. For all the objects of farming, and raising grain; flour, hemp, tobacco, cattle, sheep, swine, horses, and generally the articles of the northern and middle states, immigrants could not desire a better country, than may be found in Indiana. In the rich bottoms in the southern parts, the reed cane, and uncommonly large ginseng are abundant.

Climate, &c. Little need be said upon this head; for this state, situated in nearly the same parallels with Illinois and Missouri, has much the same temperature. That part of it, which is contiguous to lake Michigan, is more subject to copious and frequent rains; and being otherwise low and marshy, much of the land becomes too wet for

cultivation. Some have described the country and climate, near lake Michigan, as productive and delightful.—Neither the soil, timber, nor the experiments of the inhabitants, that have attempted cultivation here, justify these descriptions. For a considerable distance from the lake, sand heaps covered with a few stunted junipers, and swept by the cold, dreary and desolating gales of the lake, give no promise of a fine country or climate. But beyond the influence of the lake breeze, the climate is cool, mild and temperate. The state in general is somewhat less exposed to the extremes of heat and cold, than Illinois.

In point of salubrity, we can do no more than repeat the remarks, which have so often been found applicable to the western country in general, and which from the nature of things must apply to all countries. The high and rolling regions of this state are as healthy, as the same kind of lands is found to be in the other parts of the United States. The wet prairies, the swampy lands, the tracts that are contiguous to the small lakes and ponds, deep and inundated bottoms, intersected by bayous, generate fever and ague, and autumnal fevers, and create a bilious tendency in all the disorders of the country. The beautiful prairies above Vincennes, on the Wabash, in the neighborhood of fort Harrison and Tippicanoe, are found to have an unfavorable balance against their fertility, the beauty of their appearance, and the ease, with which they are cultivated, in their insalubrity. That the settlers in general have found this state, taken as a whole, favorable to health, the astonishing increase of the population bears ample testimony.

The winters are mild, compared with those of New England, or even Pennsylvania. Winter commences, in its severity about Christmas, and lasts seldom more than six weeks. During this time in most seasons, the rivers, that

have not very rapid currents, are frozen. Though winters occur, in which the Wabash can not be crossed upon the ice. About the middle of February, the severity of winter is past. In the northern parts of the state, snow sometimes, though rarely, falls a foot and a half in depth. In the middle and southern parts, it seldom falls more than six inches. Peach trees are generally in blossom early in March. The forests begin to be green from the 5th to the 15th of April. Vast numbers of flowering shrubs are in full flower, before they are in leaf, which gives an inexpressible charm to the early appearance of spring. Vegetation is liable to be injured both by early and late frosts.

Civil Divisions.

<i>Counties.</i>	<i>Whites.</i>	<i>Free blacks.</i>	<i>Slaves.</i>	<i>Total.</i>
Clark,	8571	138	0	8709
Crawford,	2583	0	0	2583
Davies,	3400	32	0	3432
Dearborn,	11,396	72	0	11,468
Delaware,	3677	0	0	3677
Dubois,	1160	8	0	1168
Fayette,	5941	9	0	5950
Floyd,	2707	69	0	2776
Franklin,	10,698	65	0	10,763
Gibson,	3801	45	30	3876
Harrison,	7806	69	0	7875
Jackson,	3974	36	0	4010
Jefferson,	7926	112	0	8038
Jennings,	1955	45	0	2000
Knox,	5153	166	118	5437
Lawrence,	4101	15	0	4116
Martin,	1028	4	0	1032
Monroe,	2671	8	0	2679
Owen,	827	10	1	838
Orange,	5272	96	0	5368
Perry,	2314	15	1	2330
Pike,	1465	4	3	1472
Posey,	4044	6	11	4061

Randolph,	1803	5	0	1898
Ripley,	1829	2	0	1822
Scott,	2328	0	6	2334
Spencer,	1877	2	3	1882
Sullivan,	3470	20	8	3498
Switzerland,	3925	9	0	3934
Vanderburg,	1787	3	8	1798
Vigo,	3364	26	0	3390
Wabash,	142	5	0	147
Warrick,	1742	6	1	1749
Washington,	8980	59	0	9039
Wayne,	12,053	66	0	12,119
	<hr/> 145,761	<hr/> 1227	<hr/> 190	<hr/> 147,178

Rivers. The southern shore of this state is washed by the Ohio, from the mouth of the Big Miami to that of the Wabash, a distance of nearly 500 miles, by the meanders of the river. We reserve a description of this noble stream for our account of the state of Ohio. Between the Miami and the Wabash the following considerable streams, together with many small ones, enter the Ohio. Tanner's creek falls in two miles below Lawrenceburg. It has a course of thirty miles. Loughery's creek enters eleven miles below the Miami, and is forty miles in length. Indian creek, called by the Swiss, in remembrance of a stream in their native country, Venoge, bounds the Swiss settlements on the south, and enters the Ohio eight miles below the point opposite to Kentucky river.—Wyandot, Big Blue, Little Blue, Anderson's river, Pigeon, and Beaver creeks enter, in the order, in which we have mentioned them, as we descend the Ohio. Beside these, in descending this distance, we discover the deep break through the banks of the Ohio, where a great many smaller streams enter. Many of these streams, at some distance from the Ohio, afford mill seats. We may, therefore, affirm, that the south front of Indiana is well watered.

The Wabash is the chief river of this state; and after the Tennessee, one of the most considerable tributaries of the Ohio. It glides through the central parts of the state, and by its extensive branches, waters a vast extent of it.— One of the main branches heads near fort St. Mary's, in Darke county, Ohio. The next considerable branch called Little river, heads seven miles south of fort Wayne, and enters the Wabash, eighty miles below St. Mary's portage. The next is Massassineway, which also heads in Ohio, between forts Greenville and Recovery; and joins with it a league and a half below the mouth of Little river. Eel river, another branch, rises in ponds and lakes, eighteen miles west of fort Wayne, and joins the Wabash, eight miles below the mouth of the Massassineway. Rejoicing, Mascontin, Ouitanon, and Deche are inconsiderable tributaries.

White river enters the Wabash from the eastern side, sixteen miles below Vincennes. It is the most considerable tributary of the Wabash; and one of the most important rivers in the state. It comes in after having watered a great extent of very fertile country, in a lateral direction to the main stream. Its head waters interlock with the waters of the Miami. Its principal tributaries are Driftwood branch, Muddy fork, and Tea kettle branch.

Little river, St. Mary's, Rock river, and Pomme, are inconsiderable tributaries, that enter from the eastern side. It receives a great number of considerable tributaries from the west. Richard's creek and Rock river enter above Tippicanoe. This stream has acquired lasting fame by the bloody action, which was fought on its banks, between the United States' troops, under general Harrison, and the Wabash savages in November, 1811. It originates by many branches in ponds and lakes, which, like that at the source of the Plein of the Illinois, discharge

at one extremity into the waters of the Wabash, and at the other into the Miami of the lakes. Before the battle of Tippicanoe the Indians had fields in high cultivation, along the banks of this river. Below this river from the west, enter in succession, Pine, Redwood, Rejoicing, Little Vermilion, Erabliere, Duchette and Brouette rivers, which are inconsiderable streams, that head in the state of Illinois.

White water is a branch of the Big Miami, and a very interesting river. It rises near fort Greenville in Ohio,—Not far from its source, it crosses into this state, and in its devious course, waters a large extent of fertile country.—The West Fork unites with it at Brookville, thirty miles above its entrance into the Miami. This beautiful stream is supposed to water nearly a million acres of land. It abounds in fine fish, and exceeds all the other rivers of the country in the unusual transparency of its waters. It has its sources in copious hill springs, and its waters are uncommonly cold. The people in its vicinity have an idea, that its waters are too much wanting in specific gravity, or from other causes too little buoyant, for ordinary swimmers to trust themselves to bathe in it.

The northern front of the state, bordering on the territory of Michigan, and the lake of that name, is watered copiously by rivers, that empty into that lake and lake Erie. The principal of these are the St. Joseph of the Miami of the lakes, and its numerous branches, the river Raisin of lake Erie, Black river of lake Michigan with its numerous branches; Chemin, Big and Little Kenomic, all of that lake, and Theakiki, Kickapoo, Plein, and the Vermilion of Illinois. These numerous rivers generally have short courses, and carry large volumes of water.—Most of them originate in ponds, and lakes, of which an hundred exist along the northern frontier. Many of them have the peculiar character of such waters in this region;

that is to say, a position on an elevated plateau, from one extremity of which the water discharges into the lakes, and from the other into the waters of the Mississippi.

Although this state has not so great an extent of inland navigation, as Illinois, the amount of that navigation is still very great. Many of its waters interlock with those of the Illinois. It possesses the whole extent of the noble Wabash, and White river, and its numerous boatable branches. By these large marshy ponds, which discharge at once into lake Michigan and Erie on the one hand, and the gulf of Mexico on the other, with a small expense of money, and labor, the lakes will be united by canals with the Ohio and the Illinois. A navigable canal already connects the White water by the Big Miami with the Ohio at Cincinnati. This state so rapidly populating, is the younger sister of Ohio, and will soon dispute the point of population and importance. It will ere long emulate the enterprise, the canals, and the great public works of its model. By the lakes the northern frontier is already connected with Canada and New York. The whole extent of the inland navigation may be fairly rated at between three and four thousand miles.

Chief Towns. Character of the country, in which they are situated, &c. None of the western states have shown a greater propensity for town making, than this.—Nature has furnished it with so many delightful sites for towns, that their very frequency subtract from the importance of any individual position. In no part of the world has the art of trumpeting, and lauding the advantages, conveniences and future prospects of the town, to be sold, been carried to greater perfection. To mention, in detail, all the villages, that have really attained some degree of consequence, would only furnish a barren catalogue of names. We will mention the chief of those on the Ohio, in de-

ascending order, beginning with Lawrenceburg on the southeastern angle of the state.

This town is the seat of justice for the county of Dearborn. It stands on the north bank of the Ohio, twenty-three miles below Cincinnati, and two below the Big Miami, which is the eastern limit of the state. This town is in the centre of a rich and deep bottom. The ancient village was built on the first bottom, which was frequently exposed to inundation. It is not uncommon for the water to rise four or five feet above the foundations of the houses and stores, in which case the inhabitants remove to the upper story, and drive their domestic animals to the hills. Visits and tea parties are projected in the inundated town; and the vehicles of transport are skiffs and periogues.—The period of the flood, from ancient custom, and from the suspension of all the customary pursuits, has become a time of carnival. The floods, instead of creating disease, wash the surface of the earth, carry off vegetable and animal matter, that would otherwise putrify, and are supposed to be rather conducive to health than otherwise. The old town, built on the first bank, had been stationary for many years. New Lawrenceburg has been recently built on the second bank, and on elevated ground, formed by the bank of Tanner's creek. Since the commencement of this town, few places have made more rapid progress.—Many of the new houses are handsome; and some of them make a splendid show from the river. Its position, in relation to the river, and the rich adjacent country, and the Big Miami is highly eligible. It has a number of respectable commencing manufactories, and promises to be a large town.

Aurora is a new village, at the mouth of Hogan creek, four miles below, on the Ohio. It contains between sixty and seventy dwellings. Rising Sun, thirteen miles below

Lawrenceburg, occupies a beautiful position on the Ohio, and is a village something larger, than Aurora.

Vevay is the seat of justice for Switzerland county, and is situated eight miles above the point, opposite the mouth of Kentucky river, and forty-five miles below Cincinnati. It contains between two and three hundred houses, a court house, jail, academy, a printing office, from which issues a weekly journal, a branch of the bank of Indiana, and some other public buildings. This interesting town was commenced in 1804, by thirty Swiss families, to whom the United States made a grant, under particular and favorable stipulations, of a considerable tract of land, to patronize the cultivation of the vine. The patriarch of this colony was a Swiss gentleman, of the name of J. J. Dufour, who has continued an active and intelligent friend to the town ever since. The colony soon received considerable accessions from the mountains of Switzerland. In grateful remembrance of their native hills, and to create in the bosom of their adopted country tender associations with their ancient country, they named their stream Venoge, and their town Vevay. Messrs. Dufour, Morerod, Betens, Siebenthal, and others, commenced the cultivation of the grape on a large scale. This cultivation has gone on steadily increasing. An hundred experiments have been since commenced, in different points of the West. But this still remains the largest vineyard in the United States.— We have witnessed nothing in our country, in the department of gardening and cultivation, which can compare with the richness of this vineyard, in the autumn, when the clusters are in maturity. Words feebly paint such a spectacle. The horn of plenty seems to have been emptied in the production of this rich fruit. We principally remarked the blue or Cape grape and the Madeira grape. The wine of the former has been preferred to the Claret of Bor-

deaux. The fruit seems to have a tendency to become too succulent, and abundant. It is now supposed, that some of our native grapes, will more easily acclimate to the country and soil, and make a better wine. These amiable, industrious and intelligent people are constantly profiting by the benefit of experience. This species of agriculture already yields them a better profit, than any other practised in our country. They are every year improving on the vintage of the past. They are the simple, amiable, and intelligent people, that we might expect from the prepossessions of early reading, from the vine clad hills of Switzerland. They are mostly protestants, in their worship. They happily compound the vivacity of the French with the industry of the Germans. Like the former they love gaiety and dancing. Like the latter, they easily fall in with the spirit of our institutions, love our country and its laws; intermarry with our people, and are in all respects a most amiable people. They have a considerable number of professional men in Vevay; a public library, a literary society, and many of the comforts and improvements of a town. Mr. Dufour has distinguished himself by agricultural publications, particularly upon the culture of the vine. This industrious people have created some manufactures, peculiar to themselves, particularly that of straw bonnets. The position of the town is extremely fortunate, in relation to the back country, and the other interior large towns. It is equi-distant from Lexington, Louisville and Cincinnati, being forty-five miles from each.

Madison, still lower on the Ohio, is considered to be nearly equi-distant between Louisville, and Cincinnati. It was commenced in 1811, and is about the size of Vevay; and is perhaps still better built, than that town. It is central

to a great extent of flourishing back country; and is one of the most pleasant and thriving towns in the state.

New London, ten miles lower on the river, and Charlestown, twenty-nine miles lower, and two miles back from the Ohio, are small villages. The land about the latter town was a grant of gratitude from Virginia to the brave general Clark, and his soldiers, for their achievements at the close of the revolutionary war.

Jeffersonville is situated just above the falls of Ohio.—The town of Louisville on the opposite shore, and the beautiful and rich country beyond, together with the broad and rapid river, forming whitening sheets and cascades from shore to shore, the display of steam boats, added to the high banks, the neat village, and the noble woods on the north bank, unite to render the scenery of this village uncommonly rich and diversified. It is a considerable and handsome village with some houses, that have a show of magnificence. It has a land office, a post office, a printing office, and some other public buildings. It was contemplated to canal the falls on this side of the river; and a company with a large capital was incorporated by the legislature. In 1819, the work was commenced, but has not been prosecuted with the success, that was hoped.—The completion of the canal on the opposite side, will, probably, merge this project, by rendering it useless.—One of the principal *chutes* of the river, in low water, is near this shore; and experienced pilots, appointed by the state, are always in readiness, to conduct boats over the falls. Clarksville is a small village just below this place.

New Albany is the seat of justice for Floyd county; and is four and a half miles below Jeffersonville. The front street is three quarters of a mile in length, and makes a respectable appearance from the river. Many steam boats, that can not pass the falls, are laid up for repair at

this place, during the summer. It has a convenient ship yard for building steam boats. It is a thriving and busy village.

Fredonia, Leavenworth, Rockport, and Evansville occur, as we descend the Ohio. The last, is a village of some consequence. It is the landing place for immigrants, descending the Ohio, for the Wabash. It is at the mouth of Big Pigeon creek, fifty-four miles south of Vincennes, and forty-five above the mouth of the Wabash.—Being about half way between the falls of Ohio and the mouth, it is a noted stopping place for steam boats.

Corydon, the seat of justice for the county of Harrison, was for a considerable time the political metropolis of the state. It is distant twenty-three miles from Jeffersonville, and thirteen from the Ohio. It is situated in the forks of Indian creek. North of the town, spreads an extensive region of barrens full of sink holes, and lime stone caves.

Salem is on a small branch of Blue river, thirty-four miles north of Corydon. It is a very flourishing county town, and contains more than 100 houses. Brownstown, Paoli, and Washington are interior county towns. The following towns are on the Wabash, as we descend the river. Above Tippicanoe is the old French post of Ouitanon. It is at the head of boatable navigation on the river, in the centre of what was recently the country of the savages. Its origin dates back nearly 100 years.—The inhabitants are a mixture of French and Indian blood. Merom is on a high bluff of the Wabash, opposite La Motte prairie, in Illinois. It is in the centre of rich and beautiful prairies. It has peopled with great rapidity. *Terre Haute* is situated two miles below fort Harrison, as its name imports, on a high bank of the Wabash. It is a growing and important village. Shaker-town, fifteen miles above Vincennes, contains a community

of the industrious people, called, Shakers, and exhibits the marks of order and neatness, that are so characteristic of those people everywhere.

Vincennes is, after Kaskaskia, the oldest place in the western world. It was settled in 1735, by French emigrants from Canada. They fixed themselves here in a beautiful, rich and isolated spot, in the midst of the deserts of the new world. For an age they had little intercourse with any other people, than savages. Their interests, pursuits and feelings were identified with them. Their descendants are reclaimed from their savage propensities; and have the characteristic vivacity, amiableness, and politeness of the French people everywhere. It is distant 150 miles above the mouth of the Wabash; and fifty-four from the nearest point of the Ohio. It has improved rapidly of late; and is said to contain more than 300 houses, a brick court house and hotel, a jail, a respectable building for an academy, a Roman catholic and a presbyterian church, a land office, a post office, two printing offices, from one of which is issued a respectable gazette, a bank, and some other public buildings. It is situated contiguous to a beautiful and extensive prairie, 5,000 acres of which are cultivated as a common field, after the ancient French customs. It was for a long time the seat of the territorial government, and still has more trade, than any other place in the state. The plat of the town is level, and laid off with great regularity. The houses have extensive gardens back of them, filled, after the French fashion, with crowded fruit trees. It is accessible, for the greater part of the year, by steam boats; and is a place of extensive supply of merchandise to the interior of the state. Volney, who visited this place not long after the setting up of the Federal government here, gives a very graphic and faithful account of the appearance of this place, and the adjoining country, of the

French inhabitants and their manners. At the same time, he presents a revolting picture of the manner, in which the Americans had treated them. He represents them to have been plundered, and insulted by the Kentuckians, soon after the close of the revolutionary war. Perhaps he had not learned, that Vincennes had been, for a long time, a nest of savages, from which they fitted out their murderous expeditions; and that it was natural, that the Kentuckians, who had suffered so much from them, should be disposed to retaliate upon the people, who had harbored them. He represents them, subsequently, to have been cheated out of their lands by the Americans. Their ignorance, he says, at this time was profound. But little more than half their number could read, or write; and he avers, that he could instantly distinguish them, when mixed with the Americans, by their meagre and tanned faces, and their look of poverty and desolation. However just this picture may have been in 1796, it is all reversed now.—Most of the inhabitants have an air of ease and affluence; and Vincennes furnishes a pleasant and respectable society.

Harmony, fifty-four miles below Vincennes, and something more than 100 by water above the mouth of the Wabash, is the seat of justice for the county of Posey. It is situated on the east bank of the river, sixteen miles from the nearest point of the Ohio, on a wide, rich, and heavily timbered plateau, or second bottom. It is high, healthy, has a fertile soil, and is in the vicinity of small and rich prairies; and is, on the whole, a pleasant and well chosen position. It was first settled, in 1814, by a religious sect of Germans, denominated Harmonites. They were emigrants from Germany, and settled first on Beaver creek in Pennsylvania. They moved in a body, consisting of 800 souls, to this place. Their spiritual and temporal leader

was George Rapp; and all the lands and possessions were held in his name. Their society seems to have been a kind of intermediate sect between the Shakers and Moravians. They held their property in common. Their regulations were extremely strict and severe. In their order, industry, neatness, and perfect subordination, they resembled the Shakers. They soon erected from eighty to one hundred large and substantial buildings. Their lands were laid off with the most perfect regularity, and were as right angled, and square as compass could make them. They were wonderfully successful here, as they had been in other places, in converting a wilderness into a garden in a short time. They had even the luxury of a botanic garden and a green house. Their great house of assembly, with its wings and appendages, was nearly an hundred feet square. Here they lived, and labored in common, and in profound peace. But from some cause, their eyes were turned from the rich fields, and the wide prairies, and the more southern and temperate climate of the Wabash towards Beaver creek, the place, where they had first settled. While they were under the influence of these yearnings, the leader of a new sect came upon them.— This was no other than Robert Owen of New Lanark, in Scotland; a professed philosopher of a new school, who advocated new principles, and took new views of society. He calls his views upon this subject ‘the social system.’ He was opulent, and disposed to make a grand experiment of his principles on the prairies of the Wabash. He purchased the lands and the village of Mr. Rapp, at an expense, it is said, of 190,000 dollars. In a short time there were admitted to the new establishment from seven to eight hundred persons. They danced, all together, one night in every week, and had a concert of music in another. The Sabbath was occupied in the delivery and hear-

ing of philosophical lectures. Two of Mr. Owen's sons and Mr. M'Clure, joined him from Scotland. The society at New Harmony, as the place was called, excited a great deal of interest and remark in every part of the United States. Great numbers of distinguished men in all the walks of life wrote to the society, making enquiries, respecting its prospects, and rules; and expressing a desire, at some future time, to join it. Mr. Owen remained at New Harmony, but little more than a year; in which time he made a voyage to Europe. The fourth of July, 1826, he promulgated his famous declaration of 'mental independence.' The society had begun to moulder before this time. He has left New Harmony, and 'the social system' seems to be abandoned. It is to be hoped, that this beautiful village, which has been the theatre of such singular and opposite experiments, will again flourish.

Brookville is a pleasant and a very considerable village, in the forks of the beautiful river White water. It is noted for the number and enterprize of its mechanics and manufacturers. A number of its public and private buildings are of brick, and are respectable. It has grist mills, saw mills, carding machines, a printing office, and numbers of the common mechanic shops, where the usual articles of city manufacture are made for exportation. The town and the public square are on a fine and commanding level.—The streets are so situated, that they are easily kept clean. The position of the town, its salubrity, the clearness and coldness of its waters, and the adjoining scenery give this place uncommon advantages for manufactures. The enterprising inhabitants have not failed to avail themselves of these advantages. The surrounding country is finely timbered, and watered. The soil is rich and productive; and has acquired reputation for the excellence of its tobacco. It is at once extensive and populous. This village

can not fail to become a considerable town. The number of houses exceeds one hundred.

Harrison is situated on the north shore of White water, eight miles from its mouth, eighteen north-east of Brookville, and in the centre of an excellent body of land.—The village is divided between the jurisdiction of Ohio and Indiana. In the very rich and extensive bottoms, that surround this village, are found great numbers of Indian mounds. They contain large quantities of human bones, in all stages of decay. Indian axes, vases, and implements of war and domestic use, abound in them. In the bottom of most of them are found brands, coal and ashes; indications, from which antiquarians have inferred, that they were places of sacrifice, and that the victims were probably human.

Paoli, Mount Sterling, Washington, Princeton, Salisbury, New Lexington, Charleston, Salem, Brownston, &c. are seats of justice to their several counties, and are places of greater or less importance. In a country, where every year produces new towns, some of them of considerable importance, and where the scene of cultivation, population and improvement, is shifting under the eye of the surveyor and traveller, it can not be supposed, that this is, by any means, a complete list of the towns, that have arisen, and are continually springing up, in this rapidly populating state. It is as complete, as is attainable by our means at present. We close the list with the political metropolis of the state.

Indianapolis. This town, situated on the west bank of White river, has had as rapid a growth, as any one that has arisen in the western country. It is in the centre of one of the most extensive and fertile bodies of land in the western world; nearly central to the state, on White river, and at a point accessible by steam boats, in common sta-

ges of the Wabash. No river in America, according to its size and extent, has greater bodies of fertile land, than White river. The country is populating about this town with unexampled rapidity. The town itself has grown up like the prophet's gourd. But a few years since, and it was a solid and deep forest, where the surprised traveller now sees compact streets and squares of brick buildings, respectable public buildings, manufactories, mechanic shops, printing offices, business and bustle. Such is the present aspect of Indianapolis, which is supposed to contain between two and three hundred houses. It will, probably, become one of the largest towns between Cincinnati and the Mississippi.

EXTENT OF NAVIGABLE WATERS.

The Ohio river washes the southern boundary of Indiana	}	<i>Miles.</i>
for the distance of - - - - -		472
Wabash, navigable - - - - -		470
White river, and its forks, - - - - -		160
Petoka, - - - - -		30
Blue river, - - - - -		40
White water, - - - - -		40
Rocky river, - - - - -		45
Pomme, - - - - -		30
Massassineway, - - - - -		45
Eel, and Little rivers, - - - - -		60
Western Tributaries of the Wabash, - - - - -		350
St. Joseph's of Miami and Panther's creek, - - - - -		75
Elkhorn and part of St. Joseph's of L. Mich. - - - - -		100
Great and Little Kewnomic, - - - - -		120
Chemin river, - - - - -		40
Chicago and Kickapoo, - - - - -		80
Theakaki, and parts of Fox, Plein, and Illinois, - - - - -		300
Southern coast of lake Michigan, - - - - -		50

Total, 2487

‘The foregoing estimate does not embrace streams boat-able less than thirty miles; besides, several of those named are navigable for canoes and small boats many miles further, than the given distances annexed.

‘The distance from Chicago to New Orleans, by water, is 1,680 miles—to Buffalo, about 800. The surplus products of three-fourths of the state, will find their way to the New Orleans market.

‘*View of portages.* All the streams in the northern parts of the state, which empty into the Wabash and Illinois, have their branches interwoven with many of the rivers running into lakes Erie and Michigan. Indeed, as before observed, they not unfrequently issue from the same marsh, prairie, pond, or lake. There are upwards of twenty portages near the Michigan frontier, only two of which have hitherto been used by the whites. The first of these is between the St. Mary’s and the Little river branch of the Wabash, and is nine miles long. The road which is good in dry seasons, leaves the St. Mary’s near fort Wayne, where teams are kept for the transportation of boats and merchandize. It was by this route that the French, while in possession of Canada, passed from the lakes to their posts on the Wabash. From the levelness of the intervening country, a canal could be easily opened, uniting the two streams. The second is the short portage between the Chicago, and the Kickapoo branch of the Illinois, rendered important by the inundations, which at certain seasons cover the intermediate prairie, from which the two opposite streams flow. By this means nature has herself opened a navigable communication between the great lakes and the Mississippi; and it is a fact, however difficult it may be of belief to many, that boats not unfrequently pass from lake Michigan to the Illinois, and in some instances without being subjected to the necessity of hav-

ing their lading taken out. I have never been on this portage, and therefore can not speak from personal knowledge, yet the fact has reached me through so many authentic channels, that I have no doubt of its truth. General P. B. Porter, whose geographical knowledge of the countries bordering the lakes, is excelled by that of no gentleman in the western country, has given his corroborative testimony in his speech on internal navigation, delivered on the floor of congress in 1810. Lieutenant Hamilton, of the United States' army, a meritorious officer, whose services have not been adequately requited, informed a friend of mine living in Detroit, that he had passed with a laden boat, and met with no obstructions on the portage, except from the grass, through which, however, the men easily forced the boat. But, in order to multiply proof and remove every doubt, I consulted the Hon. N. Pope, the territorial delegate in congress from Illinois, who, in answer to my enquiries, stated, that "at high water, boats pass out of lake Michigan into the Illinois river, and so *vice versa*, without landing. A canal uniting them is deemed practicable at a small expense," &c. When on the upper lakes, I frequently met with voyagers who had assisted in navigating boats across this portage.

"This morass is one possessing two distinct outlets, and I have myself witnessed this phenomenon in several instances; but never when there was water sufficient to float a laden boat. Let us hear what the justly celebrated Volney, says on this subject.

"During the vernal floods, the north branch of the Great Miami mixes its waters with the southern branch of the *Miami of the lake*. The carrying place, or *portage*, of a league, which separates their heads, disappears beneath the flood, and we can pass in canoes from the Ohio to lake Erie, as I myself witnessed in 1796.

“At Loramier’s fort, or store, an eastern branch of the Wabash serves as a simple canal to connect the two Miamis; and the same Wabash, by a northern branch, communicates above fort Wayne, in the time of inundation, with the Miami of lake Erie.

“In the winter of 1792, and ’93, two boats (*periogues*) were detached from Detroit, by a mercantile house, from whom I received the information, which passed without interruption, from the Huron river,* which enters lake Erie, into Grand river, which falls into lake Michigan, by means of the rise at the heads of the two streams.

“The Muskingum, which flows into the Ohio, communicates, at its sources, through some small lakes, with the Cayahoga, belonging to lake Erie.”

“There is a portage of four miles between the St. Joseph’s of lake Michigan, and the Theakaki; of two miles between the Theakaki and the Great Kennomic; of half a mile between the Great and Little Kennomic; of four miles between the Chemin and Little Kennomic; and of three miles between the west fork of Chicago and Plein; besides numerous ones between the head branches of the two St. Joseph’s; Black, Raisin and Eel rivers, which vary in length according to the dryness or moisture of the season. There is a short portage between the St. Mary’s and the main branch of the Wabash, over which, in times of inundation the Indians pass with their light periogues.

“In the great peninsula in Upper Canada, formed by the lakes Ontario, Erie, Huron, Simcoe, &c. there are immense swamps from which the waters flow off almost imperceptibly in opposite directions. Through these swamps canoes can pass from the Chippeway creek in to the Grand

*The river Huron mentioned by Volney, enters lake Erie six miles below Malden. There are two other rivers of this name; one falls into lake Erie, twelve miles below Sandusky bay, and the other into lake St. Clair.

river, and from lake Simcoe to Nautausawaga, running into lake Huron.'—*Western Gazetteer*.

The river Chicago empties into lake Michigan, near the territorial limits of Indiana and Illinois. Its harbor is the south-western extremity of that lake. Fort Dearborn, where the bloody tragedy of September, 1815, was enacted by the Indians, in the massacre of its garrison, was, until recently, a military post of the United States. It has lately been abandoned. At the mouth of this river is the only harbor on the lake for a great distance; and when ever a canal shall unite the Illinois with the lake, it will become a place of great commercial importance.

Indians. Until recently, they owned the greater part of the fertile lands in this state. Most of these lands have lately been purchased of them by treaty. The names of the tribes, as they used to be, convey little idea of their present position and numbers. Great numbers of them have emigrated far to the west, on White river and Arkansas. Others have strayed into Canada, or towards the sources of the Mississippi, and their deserted places are rapidly filling with the habitations of white men. Their names, as they used to be, are Mascontins, Piankashaws, Kickapoos, Delawares, Miamies, Shawnees, Weeas, Ojitanons, Eel rivers and Pottawatomies. Their present numbers can not exceed four or five thousand souls. It is an unquestionable evidence of the fertility of the country in the interior of Indiana, that it was once the seat of the most dense Indian population in the western country.—The Indians invariably fixed in greatest numbers, where the soil was fertile, the country healthy, and the means of transport on water courses easy and extensive. Such countries abounded in fish and game, and such was the country in question. The Indians in this country were invaded, in 1791, by general Wilkinson. He destroyed their princi-

pal town. It contained 120 houses, eighty of which were roofed with shingles. The gardens and improvements about it were delightful. There was a tavern with cellars, bar, public and private rooms; and the whole indicated no small degree of order and civilization. The prophet's town, destroyed by general Harrison in November, 1811, was a considerable place.

Game and Fish. The interior and northern parts of this state are abundantly stocked with game. Bears, and especially deer, abound. Wild turkeys have been supposed by some to abound as much on the waters of White river, as they do in the settled regions. Hundreds are sometimes driven from one corn field. Prairie hens, partridges and grouse abound on the prairies, and in some seasons, wild pigeons are seen here in countless numbers. Where they roost, the limbs of the trees are broken off in all directions by their numbers. Venomous snakes and noxious reptiles are sometimes seen, especially in the vicinity of ledges of rocks. The rattle snake and the copper head are the most numerous and dangerous. The streams, and especially those that communicate with lake Michigan, are abundant in fish of the best qualities. The number and excellence of the fish, and the ease, with which they are taken, are circumstances of real importance and advantage to the first settlers, and help to sustain them, until they are enabled to subsist by the avails of cultivation.

Minerals and Fossils. There are salt springs in different parts of the state. We do not know, that any of them are worked to much extent. The salt has hitherto been chiefly brought from the United States' Saline, back of Shawneetown, or from the Salines of Kenhawa.—Stone coal of the best quality is found in various places.—Native copper has been discovered in small masses, in the northern parts of the state. Iron ore is also discovered in

some places. But in general it is a country too level to be a mineral one. Although from the first settlement of the country, it has been asserted, that there is a silver mine near Ouitanon.

Antiquities. We have seen, that this state possessed a numerous Indian population. Their mounds, their sepulchres, their ruined villages, the sward of blue grass, which indicates in times nearer, or remote, the position of an Indian village, their implements of war and agriculture, dug up by the spade, or turned up by the plough, strike us on all sides, as we travel through this state. They can not but excite deep and serious thoughts in a reflecting mind.—French traditions relate, that an exterminating battle took place in a spot, which is now designated by two or three small mounds, near where fort Harrison now stands. The battle was fought between the Indians of the Mississippi, and of the Wabash. The prize of conquest was the lands, which were adjacent to the field of battle. A thousand warriors fought on each side. The contest commenced with the sun, and was fought with all the barbarity and desperation of Indian bravery. The Wabash warriors were victorious with seven survivors; and the vanquished came off with only five.

Curiosities. Like Alabama and Tennessee, this state abounds with subterranean wonders, in the form of caves. Many have been explored, and some of them have been described. One of them, extensively known in the western country by the name of '*the Epsom salts cave,*' merits a particular description. We shall give it in the words of a letter communicated to the American Antiquarian Society, by John H. Farnham, Esq.

'Your letter, requesting a description of my *Epsom salts cave* has come to hand. From the particulars enu-

merated in your request, the information on each point must necessarily be very limited.

‘The cave is situated in the north-west quarter of section 27, in township No. 3, of the second easterly range in the district of lands offered for sale at Jeffersonville.— The precise time of its discovery is difficult to ascertain. I have conversed with several men who had made several transient visits to the interior of the cave about eleven years ago, at which time it must have exhibited a very interesting appearance, being, to use their own phraseology, *covered like snow* with the salts. At this period, some describe the salts to have been from six to nine inches deep, on the bottom of the cave, on which lumps of an enormous size were interspersed, while the sides presented the same impressive spectacle with the bottom, being covered with the same production. Making liberal allowances for the hyperbole of discoverers and visitors, I can not help thinking that the scenery of the interior at this time was highly interesting, and extremely picturesque. I found this opinion upon conversations with general Harrison and major Floyd, who visited the cave at an early period, and whose intelligence would render them less liable to be deceived by novel appearances.

‘The hill, in which the cave is situated, is about 400 feet high from the base to the most elevated point; and the prospect to the south-east, in a clear day, is exceedingly fine, commanding an extensive view of the hills and valleys bordering on Big Blue river. The top of the hill is covered principally with oak and chesnut. The side to the south-east is mantled with cedar. The entrance is about midway from the base to the summit, and the surface of the cave preserves in general, about that elevation; although I must acknowledge this to be conjectural, as no experiments have been made with a view to ascertain the

fact. It is, probably, owing to this middle situation of the cave, that it is much drier than is common.

‘After entering the cave by an aperture of twelve or fifteen feet wide, and in height, in one place, three or four feet, you descend with easy and gradual steps into a large and spacious room, which continues about a quarter of a mile, pretty nearly the same appearance, varying in height from eight to thirty feet, and in breadth from ten to twenty. In this distance the roof is, in some places, arched; in others a plane; and in one place, particularly, it resembles an inside view of the roof of a house. At the distance above named, the cave forks; but the right hand fork soon terminates, while the left rises by a flight of rocky stairs, nearly ten feet high, into another story, and pursues a course at this place nearly south-east. Here the roof commences a regular arch, the height of which, from the floor, varies from five to eight feet, and the width of the cave from six to twelve feet; which continues to what is called the *creeping place*, from the circumstance of having to crawl ten or twelve feet into the next large room. From this place to the ‘*Pillar*,’ a distance of about one mile and a quarter, the visitor finds an alternate succession of large and small rooms, variously decorated; sometimes mounting elevated points by gradual or difficult ascents, and again descending as far below; sometimes travelling on a pavement, or climbing over huge piles of rocks, detached from the roof by some convulsion of nature; and thus continues his route, until he arrives at the pillar.

‘The aspect of this large and stately white column, as it comes in sight from the dim reflection of the torches, is grand and impressive. Visitors have seldom pushed their enquiries farther than two or three hundred yards beyond this pillar. This column is about fifteen feet

in diameter, from twenty to thirty in height, and regularly reeded from the top to the bottom. In the vicinity of this spot are some inferior pillars of the same appearance and texture. Chemically speaking, it is difficult for me to say what are the constituent parts of these columns, but lime appears to be the base. Major Warren, who is certainly a competent judge, is of opinion that they are satin spar.

‘I have thus given you an imperfect sketch of the mechanical structure and appearance of the cave. It only remains to mention its productions.

‘The first in importance is the sulphat of magnesia, or Epsom salts, which, as has been previously remarked, abounds throughout this cave in almost its whole extent, and which, I believe, has no parallel in the history of that article. This neutral salt is found in a great variety of forms, and in many different stages of formation. Sometimes in lumps, varying from one to ten pounds in weight. The earth exhibits a shining appearance, from the numerous particles interspersed throughout the huge piles of dirt collected in different parts of the cave. The walls are covered in different places with the same article, and re-production goes on rapidly. With a view to ascertain this fact, I removed from a particular place every vestige of salt, and in four or five weeks the place was covered with small needle-shaped crystals, exhibiting the appearance of frost.

‘The quality of the salt in this cave is inferior to none; and when it takes its proper stand in regular and domestic practice, must be of national utility. With respect to the resources of this cave, I will venture to say, that every competent judge must pronounce it inexhaustible. The worst earth that has been tried, will yield four pounds of salt to the bushel; and the best, from twenty to twenty-five pounds.

‘The next production is the nitrate of lime, or saltpetre earth. There are vast quantities of this earth, and equal in strength to any that I have ever seen. There are also large quantities of the nitrate of allumine, or nitrate of argil, which will yield as much nitrate of potash, or saltpetre, in proportion to the quantities of earth, as the nitrate of lime.

‘The three articles above enumerated, are first in quantity and importance; but there are several others, which deserve notice as subjects of philosophical curiosity. The sulphat of lime, or plaster of Paris, is to be seen variously formed; ponderous, crystalized and impalpable or soft, light, and rather spongy. Vestiges of the sulphat of iron are also to be seen in one or two places. Small specimens of the carbonate, and also the nitrate of magnesia, have been found. The rocks in the cave principally consist of carbonate of lime, or common lime stone.

‘I had almost forgotten to state, that near the forks of the cave are two specimens of painting, probably of Indian origin. The one appears to be a savage, with something like a bow in his hand, and furnishes the hint, that it was done when that instrument of death was in use. The other is so much defaced, that it is impossible to say what it was intended to represent.

‘BENJAMIN ADAMS.’

Roads, Canals, Improvements, &c. The same provisions are made here, as in most of the other western states for the improvement of roads and the making of bridges. In the summer and autumn, the passing in this state is tolerable, from the circumstance of the levelness of the lands. Few of the roads are much wrought, or kept in good repair. There are ferries on all the great waters of passing. The roads, during the winter and spring, are excessively deep and heavy. The national road will pass through

the centre of this state touching at Indianapolis. None of the western states afford greater facilities for canals. We have seen, that great numbers of ponds and lakes here connect both with the waters of the Mississippi and the lakes; and afford the spectacle of canals, commenced by nature. A canal, beside that mentioned, as having been commenced at Jeffersonville, has been proposed to connect the waters of the Wabash with those of the Miami of the lake, uniting that river with the lakes; and 100,000 acres of land have been appropriated by congress for that object.

That spirit of regard for schools, religious societies and institutions, connected with them, which has so honorably distinguished the commencing institutions of Ohio, has displayed itself also in this state. There are districts, no doubt, where people have but just made beginnings; and where they are more anxious about carrying on the first operations of making a new establishment, than about educating their children. But it ought to be recorded to the honor of the people in this state, that among the first public works in an incipient village, is a school house, and among the first associations, that for establishing a school. Schools are of course established in all the considerable towns and villages in the state. In many of the compact villages, there is a reading room, and a social library.—The spirit of enquiry, resulting from our free institutions, is pervading the country, and a thirst for all kinds of information is universal. Higher schools, as academies and colleges, are in operation or contemplation. This state will soon take a high place among her sister states, in point of population. It is hoped and believed, that her advance in intellectual improvement, and in the social and religious institutions will be in corresponding proportion. The only endowed college, with which we are acquainted, is fixed at Vincennes.

Constitution and Government. This state was admitted into the Union in 1816. The constitution does not differ essentially from that of the other western states.—Where it does differ, it is in having a more popular form, than the rest. The governor is elected for three years; and is eligible six years out of nine. The judiciary is composed of a supreme and circuit courts.

The judges of the supreme court are appointed by the governor, and have appellate jurisdiction. The circuit courts are to be held by one judge and two associates—the former to be appointed by the legislature, and the latter by the people; all to be held for the term of seven years. All free white males, of twenty-one years and upwards, that are citizens of the United States, are admitted to the elective franchise.

History. All the striking historical events, that relate to the country, which is now the state of Indiana, have either been related in the general history of the Mississippi valley, or remain to be more properly related under the history of Ohio, in which country, under the name of the North Western Territory, it was originally included.—It has been the scene of a number of bloody contests at different periods. The country on the Wabash was early visited by French traders, or hunters from Canada. The settlement of Vincennes, dates back as far as 1702. The first settlement was composed of soldiers of Louis XIV. They were, for more than an age, almost separated from the rest of mankind; and had, in many respects, assimilated with the savages, with whom they intermarried. In the time of the American revolution, they manifested a disposition so unequivocally favorable to it, that the general government ceded to them a tract of land about Vincennes, at the close of that war.—The sparse population in this then wilderness, suffered se-

verely from the savages, until the peace, which was restored by the treaty at Greenville. The Indians still owned the greater portion of the territorial surface. In the year 1811, in consequence of their depredations and murders, a military force was sent against them; and they were defeated, and compelled to sue for peace. The bloody battle of Tippicanoe has already been related. Since the peace they have been quiet, and have ceded the greater part of their lands to the United States. In 1801, Indiana was erected into a territorial government. During the late war the tide of immigration was almost completely arrested. Many of the settlements were broken up by the savages. Immediately on the termination of that war, the tide set strongly again, through Ohio, to this state; and population poured in upon the woods and prairies. It has been filling up with almost unexampled rapidity, since that time. It suffered severely along with the other western states by the change of times, that occurred after the close of the war. The same foolish, or iniquitous system of spurious banks, or *relief laws*, was adopted here as in the states farther west; and with the same results. The bank of New Lexington was a notorious scheme of iniquity; and was one of the first bubbles, that burst in this young community. Though the people did not immediately take warning, they were among the first, that discarded all the ridiculous temporizing expedients of relief, and restored a sound circulation.

The progress of the state in population and prosperity, some years past, has been uniform. It will now, probably, have 250,000 inhabitants; and in 1830, 300,000. If we could prevent a scenic map of this state, exhibiting its present condition, it would present us a grand and very interesting landscape of deep forests, wide and flowering prairies, thousands of log cabins, and in the villages, brick

houses rising beside them. We should see chasms cut out of the forests in all directions. We should see thousands of dead trees surrounding the incipient establishments.— On the edges of the prairies, we should see cabins, or houses, sending up their smokes. We should see vast droves of cattle, ruminating in the vicinity of these establishments, in the shade. There would be a singular *melange* of nature and art; and to give interest to the scene, the bark hovels of the Indians, in many places, would remain intermixed with the habitations of the whites. But the most pleasing part of the picture would be to see independent and respectable yeomen presiding over these great changes. The young children would be seen playing about the rustic establishments; full fed and happy, sure presages of the numbers, healthfulness and independence of the coming generation.

KENTUCKY.

LENGTH, 300 miles. Medial breadth, 150 miles. Contains 40,000 square miles. Bounded North by the river Ohio, which separates it from Ohio, Indiana and Illinois; East by Virginia, South by Tennessee, and West by the Mississippi, which separates it from Missouri.

From the eastern limit of this state, where it bounds upon Virginia, to the mouth of the Ohio is between six and seven hundred miles. In this whole distance, the northern limit of the state is upon the Ohio. Thence it bounds upon the Mississippi between fifty and sixty miles. Almost the whole of the state, therefore, in its configuration, belongs to the valley of the Ohio. The eastern and southern front of the state touches upon the Alleghany mountains, and their spurs descend, for a considerable distance, into it. Beyond the lower part of the valley of the Tennessee, it slopes to the Mississippi. The rivers Tennessee, Cumberland, and Kentucky have broad and deep valleys. The valley of Green river, and that in the central parts of the state are noted all over the world, for their extent, beauty and fertility. But, though Kentucky has been generally considered to have larger bodies of fertile land, than any other of the western states, and although nothing can exceed, in this respect, the great valley, of which Lexington is the centre, yet there are even in Kentucky large sterile tracts, and much land too mountainous, or too poor for

cultivation. The centre of the state is delightfully rolling. A tract of country, nearly one hundred miles in one direction and fifty in the other, is found here, which for beauty of surface, amenity of landscape, the delightful aspect of its open groves, and the extreme fertility of its soil, exceeds any other tract of country of the same extent, which we have ever seen. Under this great extent of country, at a distance of from three to ten feet is a substratum or floor of lime stone. So much dissolved lime is mixed with the soil, as to have imparted to it a warm and an exciting quality, which gives, when the earth is sufficiently moist, an inexpressible freshness and vigor to the vegetation. Through this beautiful country meander the Little Sandy, Licking, Kentucky and Salt rivers, and their numerous branches. There are very few precipitous hills, in all this region.—Much of the soil is of that character, technically known here by the name of '*mulatto land*.' The woods have a charming aspect, as though they were trees, promiscuously arranged for the effect of a pleasure ground. Grape vines of prodigious size climb the trees; and spread their umbrageous and dark green leaves over all the other verdure. Black walnut, black cherry, honey locust, buck eye, pawpaw, sugar tree, mulberry, elm, ash, hawthorn, coffee tree, and the grand yellow poplar, trees which indicate the richest soil, are everywhere abundant. In the first periods of the settlement of the country, it was covered with a thick cane brake, that has disappeared; and there is a beautiful grass sward of a peculiar cast even in the forest. In the early periods of spring, along with the purple and redundant flowers of the red bud, and the beautiful white blossoms of the dog wood, there is an abundance on the surface of the May apple, the rich verdure of which, in the first starting of spring, has an indescribable effect upon the eye. The trees generally are not large, but tall, straight,

and taper; and have an aspect, as of having been transplanted to the places, which they occupy. Innumerable branches wind among these copses; and in the declivities burst out springs of pure lime stone water.

That part of the state, which borders on Tennessee and Virginia, resembles the country in the vicinity of the Alleghanies in Tennessee. The landscape painter could come here, and find, that nature had transcended any mental conceptions of the *beau ideal*. The numerous mountain branches wind round the bases of the small table hills, cutting down deep and almost frightful gullies, and forming 'caves,' as they are called by the people, or gulfs, covered with the shade of immensely large poplars, often eight feet in diameter. Such a tree will throw into the air a column of an hundred feet shaft. No words would convey adequate ideas of the lonely beauty of some of these secluded spots.

Between the Rolling Fork of Salt river and Green river is a very extensive tract, called 'barrens.' The soil is generally good, though not of the best quality. But the country, sparsely shaded with trees, is covered with grass, like a prairie; and affords fine range for cattle. Between Green and Cumberland rivers is a still larger tract of 'barrens.' Spread over this district, is an immense number of knobs, covered with shrubby and post oaks. In the year 1800, the legislature made a gratuitous grant of 400 acres of this land to every man, who chose to become an actual settler. A great many occupants were found on these conditions. The country was proved to be uncommonly healthy. So much of the land was incapable of clearing and cultivation from a variety of causes, that the range will probably remain unimpaired for a long time. Game abounds. Swine are raised with the greatest ease. Enough of the land is capable of cultivation, to supply all the

needs of the settlers. Many of them on this soil make fine tobacco. These lands have come into reputation; and many of these planters, who received their farms, as a free gift, are now living sumptuously, and rearing respectable families in rustic independence.

In short, for variety of hill and dale, for the excellence of a soil, yielding in ample abundance, all that is necessary for comfortable subsistence, for amenity of landscape, for beauty of forest, for the number of clear streams, and fine rivers, for health, and the finest developement of the human form, and for patriarchial simplicity of rural opulence, we question, if any country can be found, that surpasses Kentucky. We have heard the hoary 'residents,' the compatriots of Daniel Boone, speak of the country, as it appeared to them, when they first emigrated from their native Virginia and North Carolina. It was in the spring, when they arrived. The only paths among the beautiful groves, were those, which the buffalos and bears had broken through the cane brakes. The wilderness seemed to them one extended tuft of blossoms. A man, stationed near one of these paths, could kill game enough, large and small, with a proportion of turkeys and other birds, in an hour, to supply the wants of a month. There can be no wonder, that hunters, men who had been reared among the comparatively sterile hills of Virginia and North Carolina, men who loved to range the mountain stream, and the sheltered glade, should have fancied this a terrestrial paradise, a land of promise. The beautiful configuration of the soil remains. The whole state is studded with plantations. The buffalos, the bears, the Indians, and the cane brake, the wild, the terrible, and much of the naturally beautiful of the country, is no more. The aged settlers look back to the first settlement of the country, as a golden age. To them the earth seems to have been cursed with

natural and moral degeneracy, deformity and sterility, in consequence of having been settled. This is one of the solutions for that restless desire to leave the settled country, and to emigrate to new regions, which so strongly marks many of the old settlers.

Rivers. The Ohio, as we have seen, washes a vast extent of the northern frontier of this state; and the Mississippi a considerable distance of the south-western side of it. The former river, we propose to describe under the head of the state of Ohio; and the latter has already been described. Most of the rivers of this state rise in its southern limits, and flow northwardly into the Ohio. Indeed, the state may be considered, as one vast plateau, or glacis, sloping from the Alleghany hills to the Ohio.

Big Sandy rises in the Alleghany mountains, near the heads of Cumberland and Clinch, and forms the eastern boundary of the state, for nearly 200 miles. Forty miles, before its entrance into the Ohio, it divides into two branches, the North-East and the South forks. It is navigable to the Quascioto mountains. At its entrance into the Ohio, it is 200 yards broad. In its progress, it receives a great number of large creeks, among which are Shelby, Bear, Turtle, Bartle's, Paint and Blane's, all of which run east, or north-east. Between Sandy and Licking, the following creeks and streams enter the Ohio. They are from twenty to seventy miles long, and from fifty to twelve yards wide at their mouth. Little Sandy enters twenty-two miles below Big Sandy; and the following creeks are disposed along the Ohio, at moderate distances from each other; not exceeding twenty-two, and not falling short of two or three miles from each other; viz: Tiger's creek, Conocoque, Salt Lick creek, Sycamore, Crooked creek, Cabin creek, Brook creek, Lime stone and Bracken.

Licking river rises in the north-east corner of the state, almost interlocking with the head waters of Cumberland river. It seeks the Ohio by a north-western course; and meets it at Newport, opposite Cincinnati. It has a very sinuous course of 200 miles. In dry summers the water almost disappears in the channel. When the streams are full, in the winter and spring, many flat boats descend this river from a distance of seventy, or eighty miles from its mouth. It waters a rich and well settled country.

Kentucky is an important stream, and gives name to the state. It rises in the south-east parts of the state, interlocking with the head waters of Licking and Cumberland. By a north-west course, it finds the Ohio at Port William, seventy-seven miles above Louisville. It is 150 yards wide at its mouth, and is navigable 150 miles. It has a rapid current, and high banks. For a great part of its length, it flows in a deep chasm, cut out of perpendicular banks of lime stone. Nothing can be more singular, than the sensation arising from floating down this stream and looking up this high parapet at the sun and the sky, from the dark chasm, down which the waters float the boat. Elkhorn, a beautiful stream, that enters Kentucky river ten miles below Frankfort, has two forks. The first heads near Lexington, and the second near Georgetown. These branches water Scott and Fayette counties, and are well calculated for driving mills of all kinds. Dick's river is a branch of Kentucky. It has a course of fifty miles, and is fifty yards wide at its mouth. Its current, like that of the parent stream, is rapid; and its course confined by precipices of lime stone, down which the astonished spectator looks often 300 feet, before the eye catches the dark stream, that is rolling below. Salt river rises in Mercer county from three head sources, and enters the Ohio, twenty miles below Louisville. It is boatable 150 miles, and is 150

yards wide at its mouth. It passes through Jefferson, Greenup, Washington, and Mercer counties.

Green river rises in Lincoln county. It enters the Ohio, 200 miles below Louisville, and fifty miles above the mouth of Cumberland. It is boatable 200 miles, and is 200 yards wide at its mouth. It receives, in its progress, a great number of tributaries, among which are Great Barren, Little Barren, Rough river, and Panther's creek. It is one of the most important rivers in the state, and has a great extent of boatable water.

Cumberland river rises in the south-east corner of this state, interlocking with the south fork of Big Sandy. We have already partially described this river; but as it is almost as much one of this state, as of Tennessee, we observe, that it runs eighty miles in this state; then crosses into Tennessee; runs forty miles in that state; and makes a curve by which it returns into this state again. It once more enters that state, after a course of fifty miles in this. It winds 200 miles through Tennessee; passes by Nashville, and once more enters this state. It unites with the Ohio by a mouth 300 yards in width; and is navigable by steam boats of the first class to Nashville; and by keel boats, in moderate stages of the water, 300 miles farther. It is a broad, deep, and beautiful river, and uncommonly favorable to navigation. Trade water, and Red river are its principal branches, in Kentucky. The one is seventy, and the other fifty yards wide at its mouth. Tennessee, of which we have already given a description, enters the Ohio in this state; and runs in it for a distance of seventy-five miles.—Kaskinompas river rises near the Tennessee, and running a western course, enters the Mississippi, half way between the mouth of Ohio and New Madrid.

Minerals, and Mineral Waters. The state is all of secondary formation. Lime stone and marble, of the most

beautiful species, abound. Coal appears in some places, especially along the Ohio. Iron ore is in the greatest abundance; and is wrought to a considerable extent.—Lead, and copperas, and aluminous earths are found.—There are numbers of salt springs in the state, from which great quantities of salt used to be made. But salt is made so much cheaper, and more abundant at the Kenhawa works, that it has become the custom to import it chiefly from that place.

The Olympian springs, forty-seven miles east of Lexington, are in a romantic situation. They consist of a number of springs of different medicinal qualities. They are partly sulphureous, and partly chalybeate, and a place of great resort. Big bone lick is twenty miles below Cincinnati on the Kentucky side of the river, and not far from it. The waters appear to be impregnated with sulphuretted hydrogen gas, and are supposed to have a peculiarly favorable effect, in dropsical cases, and affections of the liver. The huge organic remains of animals, called by the name mammoth, were found in great numbers, by digging near this lick. There are great numbers of mineral springs, of different qualities found in different parts of the state. But the medicinal spring, which is far the most frequented of any in this state, is that near Harrodsburg. The water has a slight sweetish and styptic taste.—It contains sulphate of magnesia, and, probably, a slight impregnation of arsenic. There are fine accommodations for invalids. The situation is healthy and delightful; and in the summer it has become a great and fashionable resort for invalids from this and the neighboring states. The waters are found to be salutary in affections of the liver, in dyspeptic and chronic complaints; and this is, probably, one of the few springs, where the waters are really a salutary and efficient remedy for the cases to which they are suited.

Civil Divisions.

<i>Counties.</i>	<i>Whites.</i>	<i>Free blacks.</i>	<i>Slaves.</i>	<i>All others.</i>	<i>Total.</i>
Adair,	7,249	7	1,500	0	8,756
Allen,	4,594	10	723	0	5,327
Barren,	7,575	7	2,446	0	10,028
Bath,	6,688	52	1,224	0	7,964
Boone,	5,227	19	1,296	0	6,542
Bourbon,	12,369	130	5,185	0	17,684
Bracken,	4,560	44	670	0	5,260
Breckenridge,	6,217	1	1,267	0	7,485
Bullet,	4,578	8	1,245	0	5,831
Butler,	2,511	0	472	0	3,083
Caldwell,	7,557	11	1,444	0	9,012
Campbell,	6,115	10	897	0	7,922
Casey,	3,878	17	466	0	4,341
Christian,	6,943	25	3,401	0	10,469
Clark,	7,945	41	5,483	0	11,469
Clay,	4,916	90	285	0	4,391
Cumberland,	6,712	14	1,332	0	8,058
Daviess,	3,017	7	852	0	3,876
Estell,	3,215	8	281	0	3,504
Fayette,	10,205	133	7,835	0	17,973
Town of Lexington,	3,323	115	1,641	0	5,079
Fleming,	11,011	31	1,144	0	12,186
Floyd,	7,867	143	107	0	8,207
Franklin,	6,377	61	2,907	0	9,345
Town of Frankfort,	884	78	643	74	1,679
Gallatin,	5,317	16	1,242	0	7,075
Garrard,	7,501	32	2,918	0	10,451
Grant,	1,555	2	137	0	1,694
Grayson,	3,835	35	184	0	4,054
Greene,	8,883	19	3,241	0	11,943
Greenup,	3,730	15	566	0	4,311
Hardin,	9,009	23	1,400	0	10,432
Harland,	1,851	2	108	0	1,961
Harrison,	10,051	90	2,137	0	12,278
Hart,	3,572	16	596	0	4,184
Henderson,	5,419	30	2,255	0	7,704
Henry,	6,808	4	2,004	0	8,816
Hopkins,	4,334	6	982	0	5,322

<i>Counties.</i>	<i>Whites.</i>	<i>Free blacks.</i>	<i>Slaves.</i>	<i>All others.</i>	<i>Total.</i>
Jefferson,	10,779	122	5,855	0	16,756
Town of Louisville,	2,886	93	1,031	2	4,012
Jessamine,	6,395	100	2,802	0	9,297
Knox,	3,305	19	337	0	3,661
Lewis,	3,505	4	464	0	3,973
Lincoln,	6,862	58	3,053	6	9,979
Livingston,	4,770	34	1,020	0	5,824
Logan,	8,566	126	4,019	0	12,711
Town of Russellville,	1,024	9	679	0	1,712
Madison,	11,738	62	4,154	0	15,954
Mason,	10,160	62	3,366	0	13,588
Mercer,	11,530	132	3,825	100	15,587
Monroe,	4,453	5	498	0	4,956
Montgomery,	7,504	29	2,054	0	9,587
Muhlenburg,	4,302	2	675	0	4,979
Nelson,	12,340	58	3,875	0	16,273
Nicholas,	7,021	33	919	0	7,973
Ohio,	3,392	19	468	0	3,879
Owen,	1,823	1	207	0	2,031
Pendleton,	2,758	0	328	0	3,086
Pulaski,	6,951	9	637	0	7,597
Rockcastle,	2,088	6	155	0	2,249
Scott,	9,545	54	4,820	0	14,219
Shelby,	15,796	93	5,158	0	21,047
Simpson,	4,032	17	803	0	4,852
Todd,	3,356	4	1,729	0	5,089
Trigg,	3,039	19	816	0	3,874
Union,	2,429	6	1,035	0	3,470
Warren,	9,169	53	2,554	0	11,776
Washington,	12,159	54	3,734	0	15,947
Wayne,	7,393	5	553	0	7,951
Whitley,	2,232	12	96	0	2,340
Woodford,	7,422	107	4,678	0	12,207
	<u>434,644</u>	<u>2,759</u>	<u>126,732</u>	<u>182</u>	<u>564,317</u>

In 1790, the population was 73,677; in 1800, 220,960; in 1810, 406,511. At present the population probably exceeds 600,000.

Agriculture and produce. Kentucky, from her first settlement, has always had the reputation of being among the most fertile of the western states. It is the current opinion here, that to whatever article of agriculture this state turns her chief attention, she is sure to glut the market with that article. In fact, the astonishing productiveness of her good lands, the extent of her cultivation, the multitude of flat boats, which she loads, for New Orleans market, and the great quantities of produce, which she now sends off by steam boats, seem to justify the conclusion.— All the grains, pulses and fruits, of the temperate climates, she raises in the greatest abundance. Her wheat is of the finest kind; and there is, probably, no part of the western country, where maize is raised with greater ease and abundance. Garden vegetables of all kinds succeed well. Grapes of the cultivated kinds are raised, for table fruit, in many places; and there are considerable numbers of vineyards, where they are raised for wine. Cotton is not raised, except for domestic use. Hemp and tobacco, next to flour, may be considered the staples of the state. Both are raised in the greatest perfection. In 1820, the number of persons employed in agriculture, was 132,161, and of manufactures, 11,779; and of persons employed in commerce, 1,617. The products of manufacture, in 1810, was as in the following table:

<i>Articles.</i>	<i>Value.</i>
Tanned Hides, - - - - -	255,000
Cloth, - - - - -	2,057,000
Hemp, - - - - -	691,000
Maple Sugar, - - - - -	309,000
Gun powder, - - - - -	39,000
Salt, - - - - -	325,000
Saltpetre, - - - - -	33,000
Paper, - - - - -	19,000
Cordage, - - - - -	393,000
Cotton bagging, - - - - -	159,000

The present exports from this state, are chiefly to New Orleans; though a considerable quantity of her produce and manufactures, ascends the Ohio to Pittsburg. It is not uncommon for the growers of the produce, of this state, on arriving at New Orleans, to ship it, on their own account, to the Atlantic states, to Vera Cruz, and the West Indies. Besides the articles mentioned in the above table, she sends off immense quantities of flour, lard, butter, cheese, pork, beef, Indian corn and meal, whiskey, cider, cider royal, fruit, both fresh and dried, and various kinds of domestic manufactures.

Horses are raised in great numbers, and of the noblest kinds. A handsome horse is the highest pride of a Kentuckian, and common farmers own from ten to fifty.—Great numbers are carried over the mountains to the Atlantic states; and the principal supply of saddle and carriage horses in the lower country is drawn from Kentucky, or the other western states. The horses are carried down in flat boats. Great droves of cattle are also driven from this state, over the mountains, to Virginia and Pennsylvania. The amount of exports of this sort can not be determined by any exact present data; but must certainly be very considerable.

Chief Towns. Frankfort is the political metropolis of the state. It is situated on the east bank of the Kentucky river, sixty miles above its entrance into the Ohio.—The site of this town is a deep valley, surrounded by hills. The alluvial plain is fertile and extensive. The river flows in deep lime stone banks; the quarries of which yield a fine stone, or marble, of which a considerable number of the houses are built. The town is not as large as Lexington. Many of the houses are neat and handsome and evidence good taste. The public houses are, a state house, a court house, a penitentiary, a jail, a market,

a state bank, an academy, three houses of public worship, and three or four printing offices, from which weekly gazettes are issued. The state house is a handsome building, eighty-six by fifty-four feet, and built of rough marble. The penitentiary generally contains about 100 convicts; the produce of whose labor has sometimes exceeded the expenses of their imprisonment. The town has respectable manufacturing establishments; as rope walks, bagging manufactories, a powder mill, grist and saw mill, and the usual number of stores of all descriptions. It is a place of much gaiety; and the people are showy in their dress and establishments. The public inns are large and respectable. Sea vessels have been built here, and floated down the Kentucky, the Ohio, and Mississippi. The latitude of the town is 38° 14' North. It is twenty-four miles north-west of Lexington. A chain bridge across the Kentucky connects it with the country on the opposite shore.

Lexington is the commercial metropolis of the state; and until very lately, was the largest town on the south side of the Ohio, above New Orleans. Nashville, probably, vies with it, at present, in size. Few towns in the western country, or the world, are more delightfully situated. It has an air of neatness, opulence and repose, that render it a pleasant town to the eye of a stranger. It is situated in the heart of the richest country in Kentucky. Nothing can be more beautiful than the scenery and the farms in the neighborhood. The frequency of handsome villas, and fine and ornamented rural mansions, might lead to the impression, that we were near a large commercial metropolis. A beautiful branch of the Elkhorn runs through the town, and waters it plentifully. The main street is a mile and a quarter in length, eighty feet wide, handsomely paved, and in the sumptuousness of the buildings, holds a respectable competition with the towns of the Atlantic coun-

try. In the centre of the town is the public square, surrounded by large and handsome buildings. In this square is the market house, which is amply supplied with all the products of the state. It contains over 1,000 houses, and about 7,000 inhabitants. The presbyterians have three churches, and the methodists, baptists, seceders, episcopalians, and Roman catholics, one each. The court house is a spacious and respectable building. The masonic hall and bank make a handsome appearance.—The university buildings are situated in a beautiful square, and are large and handsome. The hotels and taverns are noted for their size and convenience. The appearance of show and splendor, and the display of merchandize are sure to strike Atlantic strangers, who see the town for the first time, with surprise. There are the customary numbers of all kinds of stores, and of all kinds of pursuits and employments. The woollen manufactory, built by Mr. Prentiss, about a mile from the town, is a noble establishment. In addition to an adequate number of all the common manufactures of large towns, the staple manufactures of the place are cordage and bagging. It is supposed, that the amount of manufactures of this article is nearly a million of dollars. The woollen establishment manufactures broad cloths, cassimeres, blankets and flannels. The manufacture of paper is extensive, as is also that of cotton. The number of beautiful mansions, visible on all the ways of approach to the city, prepare the stranger to be pleased with it. The inhabitants are a cheerful, gay and conversable people, most of them capable of conversing upon literary subjects. The professional men are more than commonly intelligent; and many distinguished men have had their origin here. The University with its professors and students, and the numerous distinguished strangers that are visiting here, during

the summer months, add to the attractions of the city.— The people are addicted to hospitality and parties; and the tone of society is fashionable and pleasant. Strangers generally are found to be delighted with a visit here, and are introduced with ease to all, that is respectable and interesting in the place. There are large towns in the West; but none, that convey higher ideas of the luxury, refinement and polish of the country. The circumstance, that gave name to the town is an impressive one. When the battle of Lexington, the first in the revolutionary war, was fought, the place where this handsome town, and the cultivated adjacent country now is, was all one vast and compact wilderness. Some hunters were on the site of this place, engaged in the employment of laying out the future town.— They were reclining on their buffalo robes about their evening fires. A messenger arrived in their camp, in these distant woods, with the intelligence, that the battle of Lexington had been fought. They had been debating about a proper name for the new town. It was carried by acclamation, that it should be Lexington.

Louisville, at the falls of the Ohio, is about the size of Lexington, or perhaps, at this time, more populous. In a commercial point of view, it is by far the most important town in the state. The main street is nearly a mile in length, and is as noble, as compact, and has as much the air of a maritime town, as any street in the western country. It is situated on an extensive sloping plain, below the mouth of Beargrass, about a quarter of a mile above the principal declivity of the falls. The three principal streets run parallel with the river, and command fine views of the villages, and the beautiful country on the opposite shore. It has several churches, among them, churches for the presbyterians, baptists, and Roman catholics. The mouth of Beargrass affords an admirable harbor for the steam

boats, and river craft. The public buildings are not numerous, but respectable; and the people are more noted for commercial enterprise, than for works of public utility. It has a proportion of all the mechanic establishments, common in the western country; and very considerable manufactories of cordage and bagging. There is naturally a connection between this town and Portland, two miles below the mouth of Beargrass. The large steam boats, that run between this town and New Orleans, seldom are able to pass over these falls; and perhaps, on an average, not more than two months in the year. Of course they lie by in the fine harbor, made by the eddy of the falls. There are always great numbers of steam boats lying there, either for repair there, or on the opposite side of the river; or advertised as up for a trip. It is the greatest port for steam boats between Pittsburg and Natchez. The cargoes of the steam boats, that are intended for the country above are obliged to be discharged here, and drayed round the falls to the mouth of Beargrass.—Lines of steam boats from above and below meet here, and ordinarily have an understanding. One cause of the commercial prosperity of Louisville has been this necessity of its merchants being employed not only, as factors for the important business, that terminates at this town, but for all that, which passes up the Ohio. The falls have a romantic appearance from the town. The river is divided by a fine island, which renders the scenery more impressive and picturesque. Except in very high stages of water the whole width of the river, which is here a full mile, has the appearance of a great many broken rivers of foam, making their way over the falls.

A canal is now in successful progress, which is intended to remove this obstacle to the navigation of the Ohio. Mr. L. Baldwin, an intelligent and practical engineer, surveyed

the ground, and directed the plan of the canal. It will be two miles in length, and the excavation is required to be forty feet in depth in some places. A part of this depth is cut from solid lime stone. It is on a scale to admit steam boats and vessels of the largest size. From the nature of the country, and from the great difference between the highest and lowest stages of the water, amounting to nearly sixty feet, it is necessarily a work of great magnitude. It will soon be completed, and in operation. There are various opinions, in reference to the bearing of this work upon the future prosperity of Louisville. Great part of the important and lucrative business of factorage will pass away from this place of course; and as boats can ascend from Louisville to Cincinnati, with at least as great a draft of water, as is required by the depth of the water from Louisville to the mouth of the Ohio, most of the boats from the Mississippi, that used to be arrested at the falls, will of course pass on to the country above. But other bearings of utility to this place, not yet contemplated, will, probably grow, out of the increased activity, given by the canal to business, and to commerce. No axiom is better established in these days, than that every part of a country, so connected as the whole coast of Ohio, flourishes, and increases with the growth of every other part. If the country, above and below, be flourishing, so also will be Louisville. Besides, this important town has intrinsic resources, which will not fail to make it a great place. More steam boats are up in New Orleans for this place, than for any other; and except during the season of ice, or of extremely low water, there seldom elapses a week, without an arrival from New Orleans.—The gun of the arriving or departing steam boats is heard at every hour of the day and the night; and no person has an adequate idea of the business and bustle of Louisville.

until he has arrived at the town. The country, of which this town is the county seat, is one of the most fertile, and best settled in the state. The town was formerly subject to frequent attacks of endemic sickness, in the summer and autumn, owing to stagnant waters in its vicinity.—The ponds and marshes have been in a great measure drained; and the health of the town has improved in consequence. It has been for some years nearly as healthy, as any other town in the same latitude on the Ohio. We witnessed this year much greater amounts of plank, boards and lumber, brought here for building, than we had ever seen before. The amount of lumber, brought in rafts from the river Alleghany was immense, exceeding, we were told, three million feet.

Maysville is the next town in Kentucky, in point of commercial importance, to Louisville. It is situated just below the mouth of Lime stone creek, 275 miles by land, and 500 by water, below Pittsburg. It has a fine harbor for boats. It is situated on a narrow bottom on the verge of a chain of high hills. There are three streets running parallel with the river; and four streets crossing them at right angles. The houses are about 500 in number; and the inhabitants probably about 4,000. This place has the usual stores and manufactories. Glass and some other articles are manufactured to a considerable extent. It has a market house, court house, three houses for public worship, and some other public buildings. What has given particular importance to Maysville is, that it is, and long has been the principal place of importation for the northeast part of the state. The greater part of the goods for Kentucky, from Philadelphia and the eastern cities, are landed here, and distributed hence all over the state. It is a very thriving, active town, and a number of steam boats have been built here.

Washington, three miles south of this place, is a considerable village, in the centre of a fertile and well peopled country. It has three parallel streets, two houses for public worship, a court house, jail, two seminaries of learning, a post and printing office, the customary stores and mechanic shops, and a branch of the Kentucky bank.

Paris, the chief town of Bourbon county, is situated on a fine hill, on Stoner fork of Licking river, at the mouth of Houston creek. There are a number of important manufactures here. A number of the houses have the appearance of magnificence. It is central to a delightful and populous country. It is entirely an interior town, twenty miles east of Lexington, sixty miles south-east of Newport, opposite Cincinnati, and in north latitude $38^{\circ} 18'$. The scenery of no place in the western country surpasses that on the road between this place and Lexington.

Georgetown, the county town of Scott county, is also surrounded by that fine and rich country in the centre of this state, of which travellers have spoken in terms of so much praise. Royal spring, a branch of Elkhorn, runs through the town. It has a number of considerable manufacturing establishments, genteel houses, and some public buildings, among them a church, a printing office, a post office, and rope walk. It is fourteen miles north of Lexington, on the road to Cincinnati.

Harrodsburg is a pretty village on both sides of Salt river, which turns a number of mills. It contains ninety houses, with the customary stores, a church and post office. Danville, thirty-three miles south-west from Lexington, is an important village, containing between two and three hundred houses, and all the usual appendages to a town of that size in this country. Stamford, ten miles south-east from Danville, contains 120 houses. Somerset, twelve miles south-east of Stamford, contains nearly 100 houses.

Monticello, between Cumberland river and the state of Tennessee, is situated on a ridge of hills, contains something more than sixty houses; and is in the vicinity of the noted nitre caves. Lead ore has been found in the vicinity of this place.

Versailles, the chief town of Woodford county, contains over 100 houses, and is situated on a creek, which discharges into the Kentucky river. It is thirteen miles southwest from Lexington, and is surrounded by the same beautiful country, which is adjacent to that place. Shelbyville, on Brasheare's creek, twelve miles above its junction with Salt river, is a considerable village. Augusta, twenty-two miles below Maysville, on the Ohio, has eighty houses.

Newport, opposite to Cincinnati, is the county town for Campbell county, and is situated at the mouth of Licking. It has a charming prospect of Cincinnati, and the surrounding country, and from that town, seems a pleasure ground, dotted with houses. Few places can show more pleasing scenery. It has a spacious arsenal, containing arms, and munitions of war for the United States. It has a good number of public buildings, among which are a banking house, court house, jail, market house, a post office, a school house, and an academy. Bagging, cordage, and tobacco are manufactured here.

Covington is situated below Newport, and on the opposite side of Licking. It is laid out with great regularity.—The streets are intended to be continuations of those of Cincinnati. Liberal donations are made for the erection of public buildings. Nothing can exceed the beauty of a panoramic view of these towns, from the hills north of Cincinnati. The Ohio, in the distance, seems but a rivulet, and these towns are so connected by the eye, as to seem to make a part of Cincinnati. These places of course are connected with Cincinnati in business; and only want a

bridge across the Ohio, or a tunnel under it, both of which projects are in contemplation, actually to make a part of Cincinnati.

Cynthiana, the county town for Harrison county, stands on the north-east bank of the south fork of Licking, twenty-six miles north-east from Lexington, and thirty-four in the same direction from Frankfort. It contains more than 100 houses; and a number of respectable public buildings. It is on a wide and fertile bottom, in the midst of a rich and populous settlement. There are a great number of water mills near the town.

Port William, the county town of Gallatin county, stands on the right shore of the Kentucky, a little above its entrance into the Ohio. It contains sixty or seventy houses. But although its position is fine, at the outlet of this noble river, and adjacent to a charming country, it has not flourished according to the expectations of its inhabitants. This may be owing to the circumstance, that the Delta on which it is situated, has been sometimes inundated.

Russelville, the county town of Logan county, is an interior town, intermediate between Green and Cumberland rivers; and thirty-five miles distant from each. It contains an important seminary, denominated a college; and a number of respectable public buildings, together with 160 private houses. It is 160 miles south-west from Frankfort, and thirty-five south of Louisville. It is in the vicinity of the extensive prairies and barrens, that appear in this part of the country. Salt licks abound near the town. Many of the adjacent prairies are of great beauty.

There are forty or fifty more considerable villages in this state. It would be but tiresome repetition to describe them with any degree of particularity. The names

of the principal ones follow, together with the rivers on which they are situated. Catletsburg, at the outlet of Big Sandy. Clarksburg, on the Ohio, forty-eight miles below Catletsburg. Yellow Banks, Henderson, Morganfield, and Smithland, are on the Ohio, below Louisville.—The last named town is at the mouth of Cumberland river. Columbia is on the south bank of the Mississippi, eleven miles below the mouth of the Ohio. Prestonburg is on the west branch of Big Sandy, near the Cumberland mountains. The following towns are on Licking: Olympian Springs, Mount Sterling, Millersburg, Marysville, and Falmouth. On the Kentucky and its waters, besides those already enumerated, are Mount Vernon, Stamford, Lancaster, Richmond, Winchester, Nicholasville, Harrodsburg and Laurensburg. On Salt river and its waters, are Springfield, Bealsburg, Shelbyville, Middletown, and Shepherdsville. Bairdstown is an important village, with a beautiful view of adjacent hills, and mountains; and is noted for a respectable catholic seminary, in the centre of a considerable catholic settlement, to which many people send their children for instruction, from the remotest points of the Mississippi valley. On Green river and its waters, are Caseyville, Columbia, Greensburg, Summersville, Monroe, Glasgow, Scottsville, Bowling Green, Morgantown, Litchfield, Hardensburg, Hartford, Greenville, and Madisonville. On Cumberland river, Barboursville, Burkville, Hopkinsville, Princeton, and Centreville.—Some of these villages have churches. Some of them are county towns; and in a country, where the whole scene is shifting under the eye of the beholder; some of them, no doubt, are more important, than some of those, which we have particularly noticed in description. Other villages may have become important, that have not yet been descri-

bed ; and there are villages deemed of consequence, at least, in their immediate vicinity, which are not here named.

Among the antiquities of this state are great numbers of those Indian mounds, that are found over all the western country. There is nothing, however, in the mounds of Kentucky, to distinguish them from those in the other parts of the West. Every one has heard, that when this country was first discovered, some hundreds of mummies, in a state of entire preservation, were found in a cave near Lexington. It is to be regretted, that the pioneers of the settlements in this country, did not attach much consequence to skeletons ; and none of them remain. The body that was found in the Saltpetre cave, has been examined by hundreds. It was considerably smaller than the men of our times. The teeth and nails did not seem to intimate the shrinking of the flesh from them, in the desiccating process, by which it had been preserved. The teeth were separated by considerable intervals ; and were long, white, and sharp, reviving the horrible images of the nursery tales of Ogre's teeth. The hair seemed to have been sandy, or inclining to yellow. It is well known, that nothing is so uniform in the present Indian, as his lank black hair. From the pains taken to preserve this body, and the great labor of preparing the funeral robes, in which it was enclosed, it must have been a personage of great consideration in its day. We saw this body. The person had evidently died by a blow on the skull. The blood had coagulated there into a mass of a texture and color, sufficiently marked to show, that it had been blood. The envelope of the body was double. Two splendid blankets, completely woven with the most beautiful feathers of the wild turkey, arranged in regular stripes and compartments, encircled it. The cloth, on which these feathers were woven, was a kind of linen of neat texture, and of

the same kind with that, which is now woven from the fibres of the nettle. The body was evidently that of a female of middle age, and we should suppose, it might have weighed six or eight pounds.

In an ancient mound on Cany Fork of Cumberland river, four feet below the surface, a vessel was found, of which it would be difficult to convey an adequate idea, without an engraving. It consisted of three heads, joined together at the back part of them near the top, by a stem, or handle, which rises above the heads about three inches. The stem is hollow, six inches in circumference at the top, increasing in size, as it descends. These heads are all of the same dimensions, being about four inches, from the apex to the chin. The face at the eyes is three inches broad, decreasing in breadth all the way to the chin. Most persons have supposed, that they are fac similes of the Tartar countenance. They do not so strike us. Neither does their model appear to have been any thing, like the present Indian countenance. The faces are remarkable for their fullness, and evince no inconsiderable skill in the moulder. It is of the common earthen fabric, of the pottery generally found about the mounds. The face of the eldest is painted around the eyes with yellow, shaded with a streak of the same color, beginning at the top of the ear, running in a semi-circular form to the ear, on the other side of the head. Another painted line begins at the lower part of the eye, and runs down each ear, about one inch. The second figure represents a person of a grave countenance, much younger, than the preceding one, painted differently, and of a different color. A streak of reddish brown surrounds each eye. Another line of the same color, beginning at the top of one ear, passes under the chin, and ends at the top of the other ear. The ears, also, are slightly tinged with the same color. The whole

face of the third is slightly tinged with vermilion, or some paint resembling it. Each cheek has a spot on it of the size of a quarter of a dollar, brightly tinged with the same paint. On the chin is a similar spot. One circumstance, worthy of remark, is, that though these colors must have been exposed to the damp earth for many centuries, they have, notwithstanding, preserved every shade in its brilliancy. They are, probably, idols of the worship of the days, in which they were moulded. The vessel is in the western museum at Cincinnati, and is the most beautiful specimen of Indian pottery and moulding, that we have seen. In another mound, within twenty miles of Lexington, were found nine very large and beautiful marine shells of the murex class, and perfectly similar in their general contour to those, called conch shells. They have all the freshness of those found on the shores of the sea. This state, like Tennessee, abounds in lime stone caves, of an extent and grandeur, to which the famous cave at Antiparos will hold no comparison.

There are numberless caves, sinks and precipices, that in any other country would be regarded, as curiosities.—They are sources of wealth in many instances to their proprietors. No earth, in any country has been found more strongly impregnated with nitre. It is affirmed, that fifty pounds of crude nitre have been extracted from an hundred pounds of the earth. During the late war, 400,000 pounds a year were manufactured from this earth in this state; and probably as great an amount of gun powder.—We have already mentioned, as striking curiosities, the prodigious depths, in which many of the rivers in this state run, which are worn through strata of solid lime stone. The caves, the sink holes, the gulfs, and the deeply excavated beds of the rivers, afford a continual source of curi-

osity and astonishment to travellers, who are not thoroughly used to this country.

Character, Manners, &c. The people of this state have a character as strongly marked by nationality, as those of any state of the union. It is a character extremely difficult to describe, although all the shades of it are strongly marked to the eye of a person, who has been long acquainted with them. They are not only unique in their manners, but in their origin. They are scions from a noble stock, the descendants from affluent and respectable planters from Virginia and North Carolina. They are in that condition in life, which is, perhaps, best calculated to develop high mindedness and self respect. They have a distinct and striking moral physiognomy, an enthusiasm, a vivacity and ardor of character, courage, frankness and generosity, that have been developed with the peculiar circumstances, under which they have been placed. They have a delightful frankness of hospitality, which renders a sojourn among them exceedingly pleasant to a stranger.— Their language, the very amusing dialect of the common people, their opinions and modes of thinking, from various circumstances, have been very extensively communicated, and impressed upon the general character of the people of the West. Their bravery has been evinced in the field and in the forest from Louisiana to Canada. Their enthusiasm of character is very observable, in the ardor with which all classes of people express themselves, in reference to their favorite views and opinions. All their feelings tend to extremes. It is not altogether in burlesque, that they are described as boastful, and accustomed to assume to themselves the pride of having the best horse, dog, gun, wife, statesmen, and country. Their fearless ardor and frankness, and self confidence become to their young men, in other parts of the West, in competition for place

and precedence, as a good star. When a Kentuckian presents himself in another state, as a candidate for an office, in competition with a candidate from another state, other circumstances being equal, the Kentuckian carries it.—Wherever the Kentuckian travels, he earnestly and affectionately remembers his native hills and plains. His thoughts as incessantly turn towards home, as the Swiss are represented to do. He invokes the genius of his country in trouble, danger and solitude. It is to him the home of plenty, beauty, greatness and every thing, that he desires, or respects. This nationality never deserts him. No country will bear a comparison with his country; no people with his people. The English are said to go into battle with a song about roast beef in their mouths. When the Kentuckian encounters the danger of battle, or of any kind, when he is even on board a foundering ship, his last exclamation is, 'hurrah for old Kentucky.'

Religion. The prevailing denominations are baptists, presbyterians, methodists, Cumberland presbyterians, and seceders. The people manifest their excitable and ardent character upon this, as upon all other subjects. They have an insatiable curiosity to hear new preachers, and an extreme eagerness for novelty. Religious excitements are common, and carried to the highest point of emotion.—Religion, in some form, seems to be very generally respected; and there is scarcely a village, or a populous settlement in the state, that has not one, or more, favorite preachers. It would be difficult to say, which is the predominant denomination, that of the baptists, methodists or presbyterians. But notwithstanding the marked enthusiasm of the character of this people, notwithstanding they are much addicted to bitter political disputation, notwithstanding all the collisions from opposing courts, parties and clans, as a

state, the people have uniformly distinguished themselves for religious order, quiet and tolerance.

Transylvania University. This institution was chartered and endowed in 1798; and is the most ancient one of the kind in the western country. In point of buildings, professorships, and funds, it has generally been considered still to retain this pre-eminence. Its library, philosophical and chemical apparatus would be considered respectable in any country. Its medical school has been far more numerously attended, than any other one in the western country. A law school is now added to its foundation. It is situated delightfully, and in a central point of the great valley of the West; and ought to have a happy and powerful influence upon the science and literature of all the country west of the Alleghany mountains.

There is another college, denominated the Central college, of which Gideon Blackburn, D. D. is president.—The respectable catholic institution at Bairdstown has been already mentioned.

Education. In all the considerable towns and villages there are good schools. Many opulent families employ private instructors. Domestic education is more cherished here, than in any of the western states. All families of any considerable standing are acquainted with the literature of the day, and purchase the new publications. The seminary at Bairdstown has considerable reputation; and children, especially those of catholic parents, are sent to this institution from all points of the Mississippi valley.—There are boarding schools at Lexington and in other places, that have obtained deserved estimation, as places of resort for the children from Louisiana and Mississippi.—Many of the respectable and intelligent people of this state are still aware, that there are capital defects in the general

system of education, and in the arrangement and distribution of the primary schools.

Constitution, Government, &c. The legislative power is divided as usual. The senators are elected for four years and the representatives for one. A person to be eligible as a senator, must be thirty-five years of age, a citizen of the United States, must have resided six years in the state, and one year in the district for which he is chosen. A representative must be twenty-four years of age, a citizen of the United States, must have resided in the state two years, and in the district one. The governor is elected for four years; and is eligible four years out of eleven. He must be thirty years of age, a citizen of the United States, and must have resided in the state two years, and in the district one. He has a qualified negative upon the proceedings of the assembly, has a pardoning power, and makes appointments with the consent of the senate.—The judiciary consists in a supreme court, and in such inferior courts as the assembly may appoint, and the judges retain their offices during good behaviour. Every free white male citizen of the age of twenty-one, who has resided in the state two years, or one year in the district is entitled to the elective franchise.

History. This state takes its name from the Indian appellation of one of its chief rivers, 'Kan-tuck-kee.' It was first visited, in 1767, by Mr. Finley from North Carolina. He was accompanied, in this adventurous advance into an unknown wilderness, by a few wandering and kindred spirits, who were actuated by the same fondness for the wild, untrammelled, existence of a hunting and roaming life in the woods. A preference, once contracted for such an existence, is never relinquished. If these hunters expected to visit undiscovered races, and to find Peruvian treasures, they were disappointed. But they were not

disappointed in finding an abundance of deer, elk, foxes, wild cats, wolves, panthers, bears and buffalos. They were delighted with the fresh and luxuriant aspect of nature, the beautiful lawns, the rich pastures and cane brakes, and the charming flowering forests. Having explored the country to a considerable extent, they returned to North Carolina, full of the excited conceptions of travellers, to relate what they had seen. They described it as a terrestrial paradise, full of game, and forests crowned with flowers; nor did they forget the huge bones, which they had seen and handled at 'Big bone lick.'

This wonderful country, and their travels and adventures, excited, as may be supposed, abundant conversation. But two years elapsed, before Finley revisited the country; and he was now accompanied by Daniel Boone. The people of North Carolina and Virginia naturally wished to secure the possession of this extensive and fertile domain. The project, not being encouraged in England, was abandoned.

At the breaking out of the war of 1739, between Great Britain and Spain, governor Spotswood, of Virginia, who had been living in retirement, was appointed to command a body of colonial troops, and was instructed to carry into effect what had been his favorite project, the occupancy of the country on the Ohio. During the war between Great Britain and France, about the year 1754, many colonists from the east side of the mountains, had settled on the upper waters of that river. In the year 1763, Fort Pitt came into the possession of the British crown. But the whole country of what is now called Kentucky was as yet an unknown and unexplored wilderness. The famous Ohio company had only extended their settlements from the north-west extremity of Virginia, to the country about the upper courses of the Ohio. These circumstan-

can account for the first settlement of Kentucky by a few hunting adventurers from North Carolina.

After the return of Mr. Finley and Daniel Boone, we hear little more of the former; and his name, except as the precursor of the other, in the discovery of Kentucky, seems to have perished from the annals of its history.—As the name of the latter will be forever identified with the discovery and settlement of this state, and as it will frequently recur in the following annals, we shall take leave, in this place, to introduce a sketch of his character. He naturally takes a conspicuous place among those hardy backwoods men, who were the pioneers of settlement and civilization in the West. They were a remarkable class of people, trained by circumstances to a singular and unique character, very unlike that of the first settlers in the Atlantic country. They were as remarkable for high notions of honor and justice, as they were for hardihood, strength and bravery. A boundless wilderness, filled with game, was the region, in which their thoughts expatiated; and when alone in those forests, with their dogs and their gun, they indulged in the pursuits most dear to their heart.

Daniel Boone was born in Maryland, about the year 1756. His first buddings of character indicated that deeply rooted propensity, that followed him through life. But the back forests of Maryland, as he grew into life, were too limited, and too hackneyed a range for such a Nimrod. He removed with his parents to Virginia, and subsequently to North Carolina. But those parts of these states, east of the mountains, were, also, too much explored, and settled for him. In following Finley over those mountains into the flowering forests of Kentucky, in the cane brakes of these lawns, among the bears, buffalos and Indians, he found, at last his *beau idéal*. In 1769, we find him there, seeking a spot on which to build a cabin,

where he wished to carry his wife, and be stationary. He was uneducated, in the sense, in which that term is now understood. He had been accustomed, from his earliest years, to wander alone in the woods for days together, with no other communion, than his own thoughts. One of the first things, taught him by this mode of life, was self reliance, and self dependence. Evidently he had a mind above the common, upon which to build his peculiar character. The quickness of apprehension, the self possession and self command, which he afterwards so often evinced, could, perhaps, have been acquired in no other way, than in his peculiar modes of life. He was remarkable for his humanity of disposition, and gentleness of manners; but still more so for his pre-eminent and unconquerable fortitude, a trait which nothing could waver, and nothing but death destroy.

In his second sojourn in Kentucky, his sufferings commenced. As he and his companion, Stewart, one morning left their camp, they were taken prisoners by the Indians, who plundered them of every thing, they possessed. They were compelled to a painful march into the wilderness, in which they were closely watched. On the 8th night, being left unguarded, they escaped, and returned to their desolate and plundered camp, where they would have perished with hunger, as they had neither food, guns, nor ammunition, except at this emergency they had been visited by a brother of Boone's from Carolina, who supplied them with these articles. Soon after they were fired upon by a considerable body of savages, and Stewart was killed. The brothers escaped; and with their tomahawks built themselves a cabin of poles and bark, in which they spent the winter. In the spring of 1770, his brother returned to North Carolina, and left him alone in the woods, the only white man in Kentucky. He had neither bread, nor salt,

nor even a dog for a companion. During the absence of his brother, he made an exploring trip to the Ohio, returned on his steps, and in July, met his brother returning from North Carolina, according to his agreement, when they parted. They then explored the country together, as far as the river Cumberland, and in 1771, returned to their families, with the intention of removing them to Kentucky.

In the autumn of 1773, Daniel Boone returned with his family, joined by five other persons. In Powell's valley, the party received an accession of forty other persons, all confiding in the guidance and management of Daniel Boone. The party thence advanced into the wilderness in high spirits, until the 10th of October, when the Indians fired upon their rear, and killed six men. Among the slain was the eldest son of Daniel Boone. They faced upon the foe, and drove them off, but not until their cattle were dispersed. The immigrants themselves were so much afflicted, and disheartened, that it was deemed expedient to retire to the settlement on Clinch river. Here Daniel Boone continued to hunt, until June, 1774.

At this time he was requested by the governor of Virginia, to whom fame had made him known, to repair to the falls of Ohio, to conduct thence a party of surveyors, whose stay there was deemed unsafe, on account of the recent hostility of the northern savages. With a man of the name of Stoner for companion, he made his way through the woods to the falls in safety; and piloted the surveyors away, according to request. He was absent from his home two months. This year the Shawnees and other northern Indians commenced open hostilities upon the frontier settlements. Daniel Boone was ordered, with the rank of captain, to take command of three contiguous forts, where he discharged his assigned duty, until peace.

was made with the Indians. Being relieved from this duty, he was solicited by Henderson and company of North Carolina, as their agent, to attend a meeting of the southern Indians, which they had convoked, with a view to purchase of them lands south of Kentucky river. In 1775, he met the Indians, pursuant to his appointment, and made the purchases. He was then requested to head a party, sent to take possession of the lands. He opened a road from Holston to the Kentucky, with their assistance; but was attacked, during the enterprize, by the Indians; and four of the party were killed, and five wounded. In 1775, Boone reached Kentucky river with the survivors; and commenced a fort at the lick, where Boonesborough now stands. The party, enfeebled, and discouraged by their losses, did not complete the fort until June.

Leaving some men to guard the fort, Boone took the remainder to Clinch settlement, to escort his family to the country, and his wife and daughter were the first white women, who arrived in Kentucky. Here he remained a number of years, aiding, and encouraging those, who were bold enough to follow his example, and to choose his mode of life. The Indians were continually harrassing, and murdering the new settlers; and he was always ready to head the parties of woodsmen, who sought revenge, to put them on the trail of their foe, and give them a chance to retaliate. The future historical incidents of his career are naturally interwoven in the historical annals, that follow. With the following brief sketch of his character, we shall return to the order of these annals.

The very name of Daniel Boone is a romance of itself. A Nimrod by instinct and physical character, his home was in the range of woods; his beau ideal the chase, and forests full of buffalos, bears, and deer. More expert at their own arts, than the Indians themselves, to fight them,

and foil them, gives scope to the exulting consciousness of the exercises of his own appropriate and peculiar powers. He fights them in numerous woods and ambushes. His companions fall about him. He is one of those peculiar persons whom destiny seems to have charmed against balls. When by daring or stratagem, or good fortune, he comes off safe from a desperate conflict, it affords him a delightful theme to recount to his listening companions around the cabin fire, or as feasting on the smoking buffalo hump, on a winter evening, his strange adventures and his hair-breadth escapes. At length he is taken. But the savages have too much reverence for such a grand 'medicine' of a man as Boone, to kill him. He assumes such an air of entire satisfaction along with them, and they are so naturally delighted with such a mighty hunter, and such a free and fortunate spirit, that they are charmed, and deceived into a confidence that he is really at home with them, and would not escape if he could. It is probable, too, that his seeming satisfaction is not altogether affected. The Indian way of life is the way of his heart. It is almost one thing to him, so that he wanders in the woods with expert hunters, whether he takes his diversion with the whites, or the Indians. They are lulled into such confidence, as to allow him almost his own range. He seizes his opportunity, and in escaping, undergoes such incredible hardships, and privations, and dangers, as nothing would render credible, but the most indubitable evidence, that they have been actually so endured.

Boone thought little of titles and courts of record.—Fences, butts, and bounds, and partition lines, and all the barbarous terms, invented by the spirit of *Meum and Tuum*, the paltry lets and hindrances of civilization, were terms of unhappy omen in his ear. He finds himself circumvented by those, who had thought with more respect

of these things; and in his age, he fled from landholders and lawsuits in Kentucky to the banks of the Missouri.— Here, on a river, with a course of something more than a thousand leagues, all through wilderness, an ample and a pleasant range was opened to his imagination. We saw him on those banks. With thin grey hair, a high forehead, a keen eye, a choerful expression, a singularly bold conformation of countenance and breast, and a sharp and commanding voice, and with a creed for the future, embracing not many articles beyond his red rival hunters, he appeared to us the same Daniel Boone, if we may use the expression, jerked and dried to high preservation, that we had figured, as the wanderer in woods, and the slayer of bears and Indians. He could no longer well descry the wild turkey on the trees, but his eye still kindled at the hunter's tale, and he remarked, that the population on that part of the Missouri was becoming too dense, and the farms too near each other, for comfortable range, and that he never wished to reside in a place, where he could not fall trees enough into his yard to keep up his winter fire. Dim, as was his eye, with age, it would not have been difficult, we apprehend, to have obtained him as a volunteer on a hunting expedition over the Rocky mountains. No man ever exemplified more strongly the 'ruling passion strong in death.'

Kentucky was at this time a kind of open forest; in which the lawns were tangled with cane, and other luxuriant vegetation, and grass, in which fed innumerable flocks of deer, bears, buffalos, and other game. It was of course a favorite hunting ground of the Indians. Various nations hunted on it; but none claimed it, in individual property. It might be expected, that when savages of different tribes often came in collision, under such circumstances, the mutual pretensions would be often settled by the

right of the strongest. From the frequent and bloody rencontres, which took place among them, and from the depths of its forests, during the summer verdure, it took the name of the 'dark and bloody ground.'

In 1770, a party of nine persons, headed by colonel James Knox, reached Kentucky with a view to hunt, and explore. It is not known, that Knox and Boone ever met, or had any knowledge, that the other was in the country. This may be accounted for by the circumstance, that their different attempts were made in different parts of the country. Boone saw the country only with the eye of a hunter, with very little forecast of its future value and destiny. Knox and his party viewed this fair region with different eyes, and saw it in the aspect of its value under the hands of cultivation and habitation. While they, however, were meditating, whether it were better to induce a great body of their countrymen to immigrate there with them, or to enter on their enterprise alone, the whole country, which had hitherto been claimed by France, passed by ceded transfer to the possession of England. The Virginia troops, who had served in the Canadian war, received bounties in these western lands; and were anxious to survey them, and ascertain their value. The claimants, with their surveyors, arrived in the country, in 1773, to view and select their lands. They descended the Ohio from Fort Pitt to the falls, and explored the country on the Kentucky side of the river. They examined some of the salines, or licks, and among others 'Big bone lick;' and contemplated, with astonishment, those enormous animal remains found there. They returned delighted with the appearance of the country. About the same time general Thompson, of Pennsylvania, commenced an extensive course of surveys of the rich lands on the north fork of Licking. In 1774, other surveyors followed the

same route. After reaching the falls of Ohio, they traveled up on both sides of Kentucky river, as far as Elk-horn, on the north, and Dick's river on the south.

This year, the first cabin for family habitation was built on the present site of Harrodsburg, by James Harrod.— This habitation answered the double purpose of a house and a fort. The occupants were emigrants from Monongahela. All the Indians north-west of the Ohio were now at open war with the Virginians. A severe battle was fought between the parties at the mouth of the Great Kenhawa. It terminated in favor of the Virginians. The battle field was called Point Pleasant. Many of the soldiers returned to the south-western parts of Virginia through Kentucky. Governor Dunmore, who then commanded the main army of militia, who had not been in the action of Point Pleasant, marched into the Indian country. Peace was soon after made between him and the Indians. The surveyors were again able to execute their commissions. While the government of Virginia made use of these means to render the country safely habitable, individuals in several places built cabins, inhabited them one season, and then returned to their homes; in this way giving themselves a future claim to the land, upon which they had built. Harrodsburg, Boonesborough and Logan's camp, near the present site of Stamford, were the first permanent settlements. The two latter settlements were made under the auspices of Virginia. Henderson and company had been induced, by exaggerated accounts of the fertility of the soil, to wish for some claim, to enable them to monopolize the profits, which would accrue from the occupancy and sale of the new country. They accordingly made that purchase of lands from the Indians, to which we have referred, and in which Boone was their agent.— Boone was now upon the ground. A fort was built, and a

land office opened by Henderson and company, for the sale of their lands. The purchasers were to receive titles in virtue of that, which Henderson and company had received from the Indians. This would have been a golden speculation indeed, could this company have realized their expectations. Virginia had as yet attached little value to her western possessions. The great conflict between the colonies and the mother country had occupied all her chief thoughts and energies. Things so remained, until in common with the other states, she proclaimed herself free and independent, and alone possessing the right of extinguishing the Indian claims within her territory, and making sales of her lands.

The legislature of that state declared Henderson's purchase null; as far as concerned the validity of the claim; but effectual so far as related to extinguishing the claims of the Indians within her territories. To indemnify Henderson for his loss, they made him a compensation of 200,000 acres of land, lying at the mouth of Green river. The association was satisfied with this grant; and the settlers under titles received from them in other parts of the country, looked to Virginia for protection in their rights.—The legislature at the same time confirmed a purchase, made by colonel Donaldson from the six nations, of the country north of Kentucky river. The Indian claim to the whole of Kentucky, north of the Tennessee, was now extinguished by purchase. James Harrod and his men joined the Virginians at the battle of Point Pleasant. After peace with the Indians, he returned to Harrodsburg, and gathered around him a sufficient number of woodsmen, to render Harrodsburg a safe retreat of refuge for travellers and immigrants. A road, sufficiently wide for a single file of pack horses, had been opened by Daniel Boone from the settlement on Holston to Kentucky river.

He removed with his family and followers to Boonesborough. Several families moved to Harrodsburg in the month of September, 1775. Three women with their husbands and children, came this year to encounter all the dangers of the savage wilderness, the privations and hardships of a backwood's life, and the severe confinement of being shut up in the limits of a fort. These permanent settlements were viewed by the Indians with extreme jealousy. They seem to have been perfectly aware, to what results these things must lead. They commenced a systematic course of murdering all, whom they could find unprotected, and beyond the limits of the forts.

James Harrod, the founder of this settlement, was another character, like Boone, exactly fitted for the duties and calls of the relation, which he sustained to the colony. It was not ambition, that placed him at the head of a party, and his little colony; but the call of the people, and an intimate and deep feeling, that he was more qualified for those duties, than any one around him. He was a brave and expert huntsman, and a man of generous, frank, and independent character. He possessed, in an eminent degree, that instinctive keenness of tact, to seize the clue and circumstances, that guide the hunter in a straight and safe direction through the pathless woods. He united the instincts of an Indian to the calculations and reasoning powers of civilized man. Any one, at all conversant with the scenes of a first settler in the wilderness, and the requisite traits for counsel and guidance in the leader of such an establishment, can see at once what an invaluable acquisition such a man would be to such a settlement. When the Indians had committed thefts, or murders, he was always at hand to head an expedition of retaliation, or recovery. When a family made known, that their stock of provisions was running low, he was ready to shoulder his

rifle, and to scour the woods to hunt for a supply. The hunting of lost cattle and horses in the woods is a profession, in which the genius and skill of a backwoods man has a peculiar field of developement. Those, who live in the old settlement can never imagine the skill, which men in situations, like his, acquire in that way. The finding of cattle, lost in the woods, is a thing of vital importance to the first settlers in such a country. They, who had lost them, repaired to Mr. Harrod. He sallied forth, availing himself of his peculiar resources in this sort of experience, and their cattle were found.

So dear did this way of life become to him, that after this primitive state of things had all passed away, after he had obtained the commission of colonel, had a family, friends, and comforts of all kinds multiplied around him, he used to leave his house, and repair to those parts of Kentucky, that were still wide and waste wilderness abounding in game. He would there remain, in the depth of woods, two or three weeks, secluded from the sight of every human being. In one of these expeditions he lost his life; but how, or where, is not exactly known. He left a daughter, and an ample estate in lands. The early stages of the settlement of this state were fruitful in producing characters of this kind. Their names and exploits and their hair breadth escapes will remain themes of interest in the narratives of their descendants around the evening fire.

The third station, as we have mentioned, was at Logan's camp. Benjamin Logan was by birth a Virginian. By the death of his father, when he was only fourteen, he was left with the care of a large family. He provided for the support of his mother; saw his family settled, left Virginia, and repaired west of the mountains, to these new regions, to provide for himself. He purchased lands, married, and

commenced improvements on the Holston. He was with lord Dunmore, when he made peace with the Indians, in 1774. The next year he visited Kentucky, selected the spot, where he afterwards built his fort, and in 1776, removed his family to the country. These three settlements of Boone, Harrod, and Logan were the grand rallying points for the solitary settlers dispersed over all the country. The Indians were considered as enemies, for there was no security by day or night, but in these stations.

The 14th of July, 1776, a daughter of Daniel Boone, and two daughters of colonel Calloway were encountered by the Indians, beyond the precincts of the fort, and were carried away prisoners. Daniel Boone collected a party of eight men, and immediately followed them. On the 16th of the month, they were retaken uninjured, and two of the Indians were killed. It would be useless to attempt to describe the joy of the parents and their lost daughters at this meeting. It is a scene which no words can paint.

Soon afterwards, the settlers ascertained, that the Indians had brought a considerable force into the country, and had divided it into small bodies, with which it was intended to attack, and destroy the settlements in detail. They had no knowledge of the modes of bringing, and sustaining a considerable force into the field. They can not make great efforts in a pitched battle, or in besieging a fort. But they are cunning, persevering, and terrible beyond conception, in carrying into effect the injuries and murders, which they meditate in this way. It is inconceivable, with what dexterity, they provide for their own safety, while they plan the murder of their enemy. They conceal themselves in a thicket, among the weeds, behind the fence, or any covert. Here they lie through the whole day, or night to way-lay the path, where they suppose, the object of their revenge will pass. When they imagine their aim is sure, they fire—

and if circumstances warrant, dart on their victim and take his scalp. If they dare not do this, they slide back to their ambush, retreat, and are gone, carrying with them the pleasant thought, that they have destroyed one or more of their enemies. They cut off the supplies of a garrison, by killing or driving off their cattle. They secrete themselves in ambush near the springs and watering places, that they may kill or capture those, who repair there, unconscious of their danger. In the night, they place themselves near the gate of the fort, and watch patiently, until the morning, that they may kill the first person, that comes forth. They are remarkably adroit in stratagems, to decoy the garrison out on one side, while they enter on the other, and kill the women and children. When they have exhausted their stock of provisions, they supply themselves anew from the chase, and return to the siege, in the hope of getting another scalp. Their object is in this way, to kill the garrison, or destroy the settlement in detail.

When we now consider the horror of women and children, in conceiving such an enemy always about them in the pathless wilderness, it astonishes us, that settlers could ever have been found, who would put their lives in their hand, and march so far away from their native country and home, to encounter these dangers. We are surprized, that they could cheerfully meet the labors of cultivation and the field, constantly surrounded by these dangers; and still more, that they would expose themselves to the greater dangers of hunting, under such circumstances. But notwithstanding all these difficulties and dangers, in number and magnitude not to be described, the population of Kentucky was constantly increasing. The country was so extensive, that the numbers of the Indians were not sufficient, to allow them to spread over the whole of it. Consequently, the solitary family, that plunged deep into the

wilderness, although far from the protection of the forts, might escape, through the ignorance of the Indians of their situation. It appears from the records of pre-emption rights, that more improvements were made, in 1776, than any preceding year. Many of those, who afterwards filled the most conspicuous places in the country, were immigrants of this year. Among these we may name George Rogers Clark. Leestown, situated a mile below where Frankfort now stands, and so named from Willis Lee, who had been killed by the Indians, was established this year, as a rendezvous for the hunters, and improvers on the north side of the river. It was at first nothing more, than a cluster of cabins. Some of the other establishments were inferior even to this.

These isolated settlements could not withstand the fury of the Indian attacks, and were all deserted the first year. Virginia was now so much interested in these remote settlements, and the country which she claimed here, that during the session of her legislature, in 1776, there was a law passed, constituting that part of the country, which had hitherto been a part of the county of Fincastle, in Virginia, a separate county by the name of Kentucky. The boundaries of the new county were defined, and constituted much the same country, which now composes this state. The act gave the inhabitants of the new county a right to a county court, with the customary jurisdiction, and all the usual civil and military officers.

The county was duly organized. A court of justice was established, to hold quarterly sessions at Harrodsburg, which was composed of six or eight men, most respectable for talent and information. They were, *ex officio*, justices of peace. They could, besides, hold monthly sessions for the despatch of ordinary business. Benjamin Logan was of their number. They were duly attended

by their sheriff. The officers for a regiment of militia were commissioned. They immediately classed the citizens whether resident, or not, in companies, or battalions. The military operations were under the control of a county lieutenant, with the title of colonel.

During the winter, the Indians were forced into a kind of truce by the severity of the season. The return of spring brought with it the renewal of Indian hostilities.— Benjamin Logan removed to his own camp, which he fortified for defence. Although the Indians were in the country, this camp escaped attack until May. Harrodsburg was attacked in March. From the beginning this had been the strongest post in the country. Unfortunately, at the time of the assault, some of the men that belonged to it, were absent. The 6th of March, a large party of Indians, marching privately through the woods, surprised three persons, who were making an improvement. One was taken prisoner. One was killed, and one escaped, and gave information to the garrison of Harrodsburg, of the appearance of the Indians. He was a mere youth, by name, James Ray, the same, who was afterwards general Ray. The Indians, aware, that the place was forewarned, and prepared for them, deferred the attack, until the next day, when Harrodsburg was invested, after the Indian method of warfare. The notice, short as it was, had enabled the people to put the place in the best order for defence. The fire commenced, and some were wounded on both sides. The assailants soon became satisfied with their reception, and withdrew, leaving one of their number slain behind. This fact always indicates great discomfiture on the part of the Indians, or greater rashness on the part of the slain. For it is well known to be their most sacred and invariable custom, to remove their dead and wounded.—

Some have supposed, that this custom has its origin in a purpose to prevent the enemy from ascertaining their loss.

After their repulse, the Indians encamped in a body near the fort. They were in too great numbers to be pursued. On the 15th of April, Boonesborough in turn was attacked by 100 savages. They were received there with such a determined spirit, that they retired after having killed one person, and wounded four. Their own killed and wounded were withdrawn, so that their loss could not be ascertained. Nearly the same number, and probably the same force, that had besieged Boonesborough, soon afterwards attacked Logan's fort. It contained fifteen persons, of whom two were killed, and a third wounded. The enemy's loss, as before, was not ascertained. The forts of Boone and Harrod were about equi-distant from Logan's; and they were the only places, whence help could be expected. These places, besides, were kept in such continual alarm, that it was useless to look for help from them. The little garrison suffered greatly. They were sustained by the dauntless example of Logan, and a consciousness of the result of capture. The savages hung pertinaciously round the fort, as though determined to reap the full measure of vengeance, of which they had been disappointed at the two other forts.

At the moment of attack, the women were without the fort, milking the cows. The men were guarding them. The Indians approached them under covert of a thick cane brake, which had not been cleared away from around the cabins. Thence they fired upon the people, and killed two, as we have mentioned. A third person was wounded. The remainder with the women reached the fort unhurt. As soon as they reached the fort, the Indians, unwilling to lose their powder and lead, relaxed their fire. An affecting incident occurred, which,

as strongly illustrative of Indian manners, and the circumstances of these kinds of warfare, we will relate.

The besieged, looking from the fort, perceived, that one of those whom they had supposed killed by the Indian fire, was still alive, and struggling to crawl towards the fort. He evidently dreaded being mangled, and scalped by the Indians; and yet seemed to feel, that if he made exertions to drag himself to the fort, they might be sufficient, to attract the attention of the Indians, and yet not sufficient, to enable him to accomplish his purpose. The unhappy man, meanwhile, knew that he had a family in the fort, and that deliverance was within a few rods of him. The generous feelings of the intrepid Logan would not allow him, to see him making these ineffectual struggles, without an effort to aid him. He tried to raise volunteers from the garrison, to go out with him, and make an exertion to bring the wounded man in. But such was the probability that death would be the forfeit of the exposure, that none could be found, but a certain man, named Martin, who had prided himself on the reputation of a soldier, to offer his services. The man raised himself upon his knees, and seemed to be struggling forward. The two intended deliverers proceeded together to the gate. At that point Martin recoiled, and turned back. Logan was left alone. He saw the poor man after crawling a few steps, sink to the earth. His compassion could not sustain the sight. Collecting his powers, and putting his life in his hand, he rushed forth, took up the half dead victim in his arms, and bore him amidst a shower of balls, into the fort. Some of the balls were buried in the pallisades close by his head.

But along with this happy omen, another of a different aspect was seen. On the return of the wounded man, the garrison discovered, that they had but a few more shots of

ammunition left; and there was no chance of replenishing their stock, nearer than the other two forts. They were aware at the same time, that these garrisons would need all they had, for themselves. To detach any of their number, to go to the settlement on Holston, would be so to weaken their number, as to leave them almost a certain prey to the invader. To sustain the siege without ammunition, was impossible. To go to Holston was the elected alternative. As the life of every member of the garrison depended upon the success of the expedition, it was necessary to select on the party men, who could judge with promptness and decision, what was best to be done in cases of emergency; and who were expert woodsmen, and capable of sustaining every kind of fatigue and suffering.

Logan, indispensable as his presence was in the garrison, was unanimously elected to head the party, to be despatched on this still more important expedition. It would be difficult for imagination to group a more affecting picture, than the parting of this small forlorn hope from their families, left in the desolate forests thus reduced in numbers, and without ammunition, and surrounded by a savage foe. We can see them looking back upon the pale faces of their families, and contemplating from without the thick cane brake, and the pathless wilderness, which their imaginations would naturally represent, as filled with their ruthless enemies. But these men of iron sinew, although they had generous and tender hearts, had sound judgments and strong minds. They felt, that the step was necessary. They might be allowed to drop 'natural tears,' and to cast fond looks behind, as they went forth with stealthy pace from their weeping friends, to thread their way through the woods, without being seen by the besieging savages. They took for this purpose, an entirely untrodden track through the forests; and crossed the Cum-

berland mountain by a route, which had, probably, never been trodden before. We presume, it never has been since.

They reached Holston in safety; and obtained the requisite supplies. Logan entrusted them to the remainder of his small party, with directions, how to proceed; and started on his way home alone, preceding the slower advance of this party, to carry in ammunition. Within ten days from the time of his departure from the fort, he performed this long and hazardous and lonely journey, and reached the fort again. It was still invested by the savages, and almost in despair. His return seemed an interposition of Providence, and naturally tended to invigorate, and encourage the besieged. The return of the party soon after, with ammunition, yielded them the physical means of annoying the enemy, and sustaining the siege.

A new difficulty arose. The garrison was approaching a state of starvation, and must hunt to relieve their necessities. This new difficulty once more spread the gloom of despair over their prospects. But as they were resigning their hopes of escaping the savages, colonel Bowman arrived at the fort with an hundred men, and dispersed the savages. In getting into the fort, a detachment of these men, which preceded the main body, were killed by the besiegers. On one of the dead bodies, the Canadians had left a proclamation, which had been prepared by the governor of Canada. It seemed to be intended for circulation among the people. It offered protection to those of the people, who would abjure their allegiance to the revolted colonies, and threatened those, who would not.—The paper was carried to Logan, who concealed it carefully, through fear of the effect, it might work upon the minds of the people.

The arrival of the force under colonel Bowman, and the consequent dispersion of the Indians, was calculated to raise the spirits of the garrison. But in the midst of their exultation and joy, they learned, that his men were enlisted but for a short time, great part of which had been consumed on their march to their relief. They foresaw, that the departure of this force would be the sure renewal of the horrors of the Indian invasion. They were again in want of ammunition; and Logan again undertook the long and lonely expedition to Holston; and once more returned with a supply. Nothing inspires animation and intrepidity in men, like seeing by experiment what may be done by patience and courage, in sustaining, or vanquishing difficulties; and being found equal to all emergencies. About this time, too, they were animated by being joined by Mr. Montgomery with a party of men.

On the 4th of July, the Indians, untiring, and determined in their hostilities, again attacked Boonesborough. To prevent this fort from receiving assistance from the two others, they had recourse to their customary plan of annoyance; and sent detachments from their main body, to intimidate each of the forts, so as to prevent its aiding the other. In this siege the Indians killed one man, and wounded two others. It was ascertained, that they lost some of their own number; although the killed were removed, according to custom. They kept up the siege with great vigor two days and nights; but finding all their efforts to take the place ineffectual, they suddenly disappeared.

On the 25th of this month, a party, consisting of forty-five men, joined Boone from North Carolina. In the intervals of these sieges, the inhabitants of the forts cleared and cultivated their fields. A part kept guard, while the other part labored. This state of continued hostility naturally inspired a spirit of adventurous revenge; and gave

to these contests all the interest, which the strongest feelings of the human heart can impart. The continued recurrence of danger, created a natural callousness and indifference to it; and it became a point of keen and intense study, which party should see each other first, and get the first shot. In this species of dexterity the woodsmen were quite as close, and sure marksmen, as the savages. The latter began to acquire a respectful caution, in reference to meeting the former, and were very shy in approaching the garrisons. The Indians had already denominated the Virginians 'Long Knife.' They could now add, that they were close shooters. Winter returned, and the Indians, as usual, left them. The term of service, also, of the militia men, of whom we have spoken, expired this autumn, and they returned to their homes. There remained at Boonesborough twenty-two, and at Harrodsburg sixty-five, and at Logan's fort fifteen men.

The 1st of January, 1776, Boone, with thirty men, went to the lower 'Blue licks,' to make salt for the different settlements. The 7th of the next month, while he was in the woods, on a hunt to supply the salt makers with food, he came upon a party of 102 Indians, marching to the assault of Boonesborough, the third attempt upon this ill-fated place. It was clearly of all the settlements the object of their most settled dislike and revenge. Boone fled, but the savages pursued, and took him prisoner. They then advanced upon the licks, and made twenty-seven of the salt makers prisoners by capitulation. The Indians, delighted with this signal success, marched their prisoners in triumph through the forests, and across the Ohio to Chillicothe. On this march the weather was exceedingly inclement, and common suffering from its severity induced the savages to show lenity to their prisoners. If, instead of marching home with their spoils, the savages had bent all

their efforts against Boonesborough, weakened as it was by the loss of so many of its men, it is probable, that they would this time have succeeded, in capturing the place.—Flushed by this success, they would have vanquished the other two forts, and, no doubt, would have murdered the inhabitants, as they threatened, and would thus have broken up the settlements for this time. But though the savages generally manifest sufficient cunning, they appear to want combined thought; and seldom make use of one advantage, as a mean of obtaining another; and notwithstanding their own exultation, and the depression of the settlers, in consequence of this great success, they left the forts unmolested for a considerable time afterwards. Could the savages have realized all the misery, which the inhabitants suffered, in consequence of the carrying off so many of their numbers into such a dreadful captivity, even their vindictive spirit would have been satisfied with the extent of the suffering inflicted.

In the month of March, eleven of the prisoners, among whom was Boone, were led away from Chillicothe to Detroit, and presented to the British commandant, Hamilton. The governor offered them an hundred pounds, as a ransom for Boone, intending, as he said, to set him at liberty on parole; for the reader will not need to be informed, that this was at the commencement of the revolutionary war. They refused it. A situation more vexatious to a spirit, like his, than that, in which he was thus placed, can not easily be imagined. The least attempted movement towards escape would alarm the vigilant savages; and on the other hand he refused the offer of supplies of indispensable necessities by the British, as enemies of his country, and as never expecting to be able to repay them. The companions of his captivity were left to the British at Detroit, and he was compelled to return with his savage mas-

ters to Chillicothe. Soon after his return to that place, he was adopted into the family of one of the principal men of the tribe, and wisely appeared to be reconciled to his new way of life, and to accommodate himself to it with cheerfulness. Such deportment by such a mighty hunter, and such an untamed spirit could not but win the confidence and affection of his masters. When challenged to a trial of his skill with the rifle, he found it much less difficult to surpass them in the closeness of his shooting, than to vanquish the envy and ill will created by this visible superiority in a point of so much importance in the eyes of that race. He proved himself a most successful hunter. He found it easy to ingratiate himself with the king chief of the Shawnees, by showing great apparent deference to him, and by always granting him a share of the proceeds of his hunt. Thus leading a life, in accordance with his instinctive propensities, and acquired habits, and in great honor among that primitive race; it is probable, that this seeming acquiescence to his lot would have become real, had it not been for the remembrance of his wife and children at Boonesborough. But these cherished recollections haunted him, and continually prompted the desire, and the purpose to escape. In the June following his captivity, he was taken to the Scioto salt works, and there employed so diligently in working salt, that he found no means of escape.

On his return with his masters to Chillicothe, he found 450 warriors, in all their horrible painting and war garb, prepared for an expedition against Boonesborough. With all the love of country and family, natural to such a man, he now, for the first time, rejoiced in his captivity, as it enabled him to obtain such information respecting the objects of this expedition, as, could he transmit it to the fort, might save it from destruction. He determined to put in execution his long meditated purpose of escape. He arose

early in the morning, and was allowed to go forth, as usual, to hunt. He contrived to secrete a little food, enough to answer for one meal, and with this slender provision he made his escape. In less than five days he traversed a distance of 160 miles, in which distance, besides other rivers, he crossed the Ohio. He made but one meal on the journey. The fort was found in no state of preparation for the formidable attack, that was preparing for it. But this forewarning, a distinct perception of the danger, and the energy and industry of Boone, soon put it in as high a state of defence, as their means and the shortness of the time of preparation would allow.

Having made their preparations, the garrison were now anxiously awaiting the appearance of their enemy. The escape of one of Boone's companions from captivity brought news of the expedition to the fort, and informed, that in consequence of his escape, the expedition had been deferred three weeks. Fortunately, the garrison had received accessions of considerable numbers, since the captivity of Boone. Meanwhile, Boone determined to anticipate their movements. With nineteen select associates, he set out from the fort, on an expedition to surprise 'Paint creek town,' an Indian village on the Scioto. Having arrived within four miles of that place, they were met by thirty Indians, who were marching to join the main army, now on its way to Boonesborough. A battle was immediately commenced, which terminated in the flight of the savages. Not a man of Boone's party fell. Boone immediately marched back towards Boonesborough, with all possible despatch. On the sixth day of his march, he passed the main Indian army unperceived, and on the seventh arrived at the fort.

The day after his arrival, the Indian force appeared, commanded by captain Duquesne and eleven other Cana-

dian Frenchmen, and a number of the savage chiefs. The British flag was displayed in their centre. They immediately invested the fort, and sent a regular summons, requiring Boone to surrender. This was by far the most imposing force that had ever been seen in the country; and it was natural that the first view of it should produce consternation in the fort. Boone requested two days, in which to consider about the propriety of a surrender; and the savages weakly granted the request. The garrison consisted of fifty men, and the odds in numbers was fearful. Boone assembled them; harangued them, and placed before them the chances of their alternatives; on the one hand victory, or defeat, in case of resistance; and on the other hand the entire plunder, and the hopeless condition of captivity, in consequence of surrender. The consultation was short, and the answer unanimous, that as long as one man lived, the fort should be defended. It may be supposed, that the garrison diligently employed these two days of truce, in completing their defences. They had collected their cattle and horses, and driven them into the fort. At the expiration of the time, Boone, from one of the bastions thanked the commander of the Indians, for the time allowed him for preparation, and proclaimed the result of the determinations of the garrison. Duquesne, disappointed in the expectation of surrender, endeavored to carry his point by duplicity. He declared, that he was charged by governor Hamilton, to take the garrison prisoners; but not to treat them harshly, and that if nine of the principal men would come out, and enter into parley with him, he would withdraw, upon condition, that the garrison would swear allegiance to his Brittanic majesty. To treat upon such terms would at least gain time, and Boone consented.—The conference was opened within fifty yards of the fort gate. The articles were few, explicit, and soon settled.—

But it was remarked, that many Indians, who had nothing to do in the treaty, stalked about the contracting parties, under suspicious circumstances. The articles were signed. Boone was informed, that it was customary in such cases, that two principal Indians should shake hands with one of each of the whites of Boone's party. This, too, was granted; and two approaching each of the nine, endeavored to drag them off, as prisoners. Boone instantly perceived their purpose. He and his men, by a violent struggle disengaged themselves from the grasp of the Indians, and made for the fort. A volley of balls was fired upon them, and one man was wounded. The enemy immediately commenced an unremitting attack. The besiegers soon attempted to undermine the fort. This attempt was probably dictated to them by their French commander; for they knew little of war, except the use of gun powder and brute force. The garrison discovered that their enemy was attempting to undermine the fort, on the side of the river, by remarking that the river, which was clear above, was turbid below with the earth and clay, thrown out by the excavation. To counteract the effect of this mine, the garrison dug a trench within; and by throwing the earth of the trench over the wall, manifested to their foe, that they penetrated their purpose. Perceiving that they were not like to carry their purpose, either by fraud or force, the enemy decamped, on the 20th of August.—Two men were killed, and four wounded in the fort.—The savages had thirty-seven killed. The number of their wounded could not be ascertained from the circumstance, that they were immediately carried off.—This was the last combined and powerful effort against Boonesborough. The assailants were to the besieged, as six to one. They had skilful leaders, and were not deficient in ferocious courage. The walls of the fortification

were combustible, and but twelve feet high; and the garrison no better armed, or supplied, than their foe. It was a striking example of the difficulty of conquering a small force of intrepid men, who have determined never to surrender.

In the succeeding autumn, Boone made a journey to North Carolina to bring back his wife, who, during his captivity among the Indians, had returned to her father's house, despairing of his return. The Indians had made no open attack upon Logan's fort, during this period. He had, however, casual skirmishes with them, as his men met them at different points in the woods. In one of these rencontres he was severely wounded. That these infant settlements survived these sustained hostilities of the savages, and continued to increase in the woods, so far away from the protection of the parent state, evidences the intrepidity and spirit of these primitive nurslings of storms and dangers. All this while, the parent state was engaged in a struggle for existence with the gigantic force of Great Britain; and could do little more, than look occasionally from her own suspended conflicts, with admiration upon the bravery of her children in the new country, contending with hosts of savages, headed, urged on, and supplied by the British of Canada with the means of annoyance. But in 1778, having a moment of breathing time, Virginia felt, that sound policy, as well as maternal and good feeling called upon her for some efficient measures, to render a residence in the woods of Kentucky more safe and desirable. It was within the scope of her policy, to reduce the British posts on the frontiers of the Ohio country, and of the Wabash, whence the savages were supplied with arms, munitions, and incitement to sally forth, and make incursions upon the new settlements. For this purpose she raised a regiment of troops, and gave the command to

George Rogers Clark. The force consisted of between two and three hundred men. Colonel Clark was intimately acquainted with the topography of the western country, and, as after events abundantly showed, admirably qualified for a command of this kind. His main force descended by water from the Monongahela to the falls of Ohio, where he was joined by some troops from Kentucky.—Thirteen families accompanied him on this expedition, who fixed themselves on an island near the falls, called since ‘Corn island.’ This was the germ, whence sprang the flourishing town of Louisville. We have already related, in another part of this work, the signal and entire success, that crowned the splendid achievements of colonel Clark, in the capture of Vincennes, and the British troops there; and the relief of St. Louis from the ravages, of the large force of Indians and Canadians, that had marched upon that place. This achievement, no doubt, had a happy bearing upon the settling our frontier limits, in the subsequent treaty of peace with Great Britain.

The settlement which colonel Clark had left at ‘Corn island’ had a deep interest in his success. They were sixty or seventy miles distant from any aid in Kentucky.—They were equally exposed to the attacks of the British and Indians; and dared not remove from the shelter of the island, until after the capture of Vincennes by colonel Clark. They then removed themselves to Louisville, fixing themselves just below the mouth of Beargrass. Being the head quarters of colonel Clark, and otherwise a naturally eligible situation, it soon received such accessions of strength and numbers, as to become an important settlement and the nucleus of various others.

We may, perhaps, in this place most properly introduce another of the famous partizans, in savage warfare, Simon Kenton, *alias* Butler, who, from humble beginnings, made

himself conspicuous by distinguished services and achievements, in the first settlement of this country, and ought to be recorded, as one of the patriarchs of Kentucky. He was born in Virginia, in 1758. He grew to maturity without being able to read, or write; but from his early exploits, he seems to have been endowed with feelings, which the educated, and those born in the upper walks of life, appear to suppose a monopoly reserved for themselves. It is recorded of him, that at the age of nineteen, he had a violent contest with another competitor for the favor of the lady of his love. She refused to make an election between them; and the subject of this notice indignantly exiled himself from his native place. After various peregrinations on the long rivers of the west, he fixed himself in Kentucky; and soon became a distinguished partizan against the savages. In 1774, he joined himself to lord Dunmore, and was appointed one of his spies. He made various excursions, and performed important services in this employ.— He finally selected a place for improvement on the site, where Washington now is. Returning one day from hunting, he found one of his companions slain by the Indians, and his body thrown into the fire. He left Washington in consequence; and joined himself to colonel Clark in his fortunate and gallant expedition against Vincennes and Kaskaskia. He was sent by that commander with despatches for Kentucky. He passed through the streets of Vincennes, then in possession of the British and Indians, without discovery. Arriving at White river, he and his party made a raft, on which to cross with their guns and baggage, driving their horses into the river, and compelling them to swim it. A party of Indians was concealed on the opposite bank, who took possession of the horses, as they mounted the bank, from crossing the river. Butler and his company, seeing this, continued to float down the river

on their raft, without coming to land. They concealed themselves in the bushes, until night, when they crossed the river, pursued their journey, and delivered their despatches.

After this, Butler made a journey of discovery to the northern regions of the Ohio country, and was made prisoner by the Indians. They painted him black, as is their custom, when a victim is devoted to their torture; and informed him, that he was destined to be burned at Chillicothe. Meanwhile, for their own amusement, and as a prelude of his torture, they manacled him, hand and foot, placed him on an unbridled and unbroken horse, and turned the animal loose, driving it off at its utmost speed, with shouts, delighted with witnessing its mode of managing with its living burden. The horse, unable to shake off this new and strange incumbrance, made for the thickest covert of woods, and brambles with the speed of the winds. It is easy to conjecture the position and sufferings of the victim. The terrified animal exhausted itself in fruitless efforts, to shake off its burden, and worn down and subdued, brought Butler back amidst the exulting yells of the savages to the camp.

Arrived within a mile of Chillicothe, they halted, took Butler from his horse, and tied him to a stake, where he remained twenty-four hours in one position. He was taken from the stake to 'run the gauntlet.' The Indian mode of managing this kind of torture was, as follows: The inhabitants of the tribe, old and young, were placed in parallel lines, armed with clubs and switches. The victim was to make his way to the council house, through these files, every member of which struggled to beat him, as he passed, as severely, as possible. If he reached the council house alive, he was to be spared. In the lines were nearly 600 Indians, and Butler had to make his way almost a

mile in the endurance of this infernal sport. He was started by a blow; but soon broke through the files, and had almost reached the council house, when a stout warrior knocked him down with a club. He was severely beaten in this position, and taken back again to custody.

It seems incredible, that they sometimes adopted their prisoners; and treated them with the utmost lenity and even kindness. At other times, ingenuity was exhausted to invent tortures, and every renewed endurance of the victim seemed to stimulate their vengeance to new discoveries of cruelty. Butler was one of these ill-fated subjects. No way satisfied with what they had done, they marched him from village to village, to give all a spectacle of his sufferings. He run the gauntlet thirteen times. He made various attempts to escape; and in one instance would have effected it, had he not been arrested by some savages, who were accidentally returning to the village, from which he was escaping. It was finally determined to burn him at the lower Sandusky, but an apparent accident changed his destiny.

In passing to the stake, the procession went by the cabin of Simon Girty, a renegade white man, who lived among the Indians, and had just returned from an unsuccessful expedition against the whites on the frontiers of Pennsylvania. The wretch burned with disappointment and revenge; and hearing that there was a white man going to the torture, determined to wreak his vengeance on him. He found the unfortunate Butler, threw him to the ground, and began to beat him. Butler, who instantly recognized in Girty a former companion of his youth, made himself known to him. His savage heart relented. He raised him up, and promised to use his influence to save him. Girty had a council called, and he moved the savages to give Butler up to him. He took the unfortunate man

home, fed, and clothed him, and Butler began to recruit from his wounds and torture. But the relenting of the savages in his favor was only momentary. After five days, they repented of their relaxation in his favor, reclaimed him, and marched him to Lower Sandusky, to be burned, according to their original purpose. By a surprising coincidence, he there met the Indian agent from Detroit, who, from motives of humanity, exerted his influence with the savages for his release, and took him with him to Detroit. Here he was paroled by the governor. He escaped, and by a march of thirty days through the wilderness, reached Kentucky.

In 1779, while the states generally were struggling with the taxes and burdens of the revolutionary war, without means, or resources, Virginia discovered, that she possessed an unwrought mine, in her rich western lands. In this year she opened a land office for the sale of these lands, prescribing the terms of conveyance; and found that after all legal claims and grants were filled, an immense extent of country still remained at her disposal. The successes of colonel Clark, and the clearness and security of the offered titles induced many immigrants to repair to the country. Some settled near the old stations; and some scattered themselves in new positions in the woods, as their fancy led them to select; and the general and promiscuous settlement of the country may be said now to have fairly commenced.

In April, 1779, a block house was built on the present site of Lexington. Several stations were selected in this vicinity, and in that of the present position of Danville. Settlements were also made this year on the waters of Beargrass, Green and Licking rivers. A station was a collected parallelogram of cabins, united by palisades, so as to present a continued wall on the outer side; and the cabin

doors opened into a common square on the inner side. Of course, these stations were the strong holds of the settlers. They united the strength, furnished the society, and cemented the friendships of the inhabitants; and were often the germs of populous and busy villages. Adventurers crowded upon the country, some selecting lands for immediate and permanent settlement; and others choosing spots, on which they purposed hereafter to build, returned to their native place.

The Indians, though they must now have perceived the impossibility of arresting this advance of population, and the permanent occupancy of these hunting grounds, continued their pertinacious purpose of revenge, by their customary modes of detached aggression, and the murder of individuals and families. It is astonishing, how little the frequent recurrence of these terrible catastrophes seems to have retarded the settlement of the country, and the steady advance of the settlers in building and improvement. The people began to be conscious of their strength, and of the necessity of an efficient union, to put an end to the aggressions of the savages. An assemblage of the settlers was called at Harrodsburg, to devise the means of carrying their purposes into effect. The result of the common council was to carry the war into the enemy's country; and, as the Shawnees had been most conspicuous in their hostilities, it was determined to fit out an expedition against old Chillicothe, which was their chief town. The volunteers were to unite at Harrodsburg, and the command was assigned to colonel Bowman. Logan, Holder, Harrod and Bulger, commanded under him. Some of the most respectable citizens of the country served, as privates. The united force amounted to 200.

They reached Chillicothe undiscovered, in July, towards sunset. After deliberation, it was determined to defer the

attack, until the dawn of the succeeding morning. The force was divided into two detachments, one commanded by colonel Bowman and the other by captain Logan. The one party was ordered to march to the right, and the other to the left; and upon a given signal, to surround the town, and attack it in concert. The party commanded by Logan, repaired to the assigned point, and waited in vain for the signal. The attention of the Indians was drawn to this point by the barking of a dog. At this moment one of the other party discharged a gun. The whole village of course was alarmed in a moment. The women and children were hurried into the woods, through a path not yet occupied by the assailants; and the warriors collected in a strong cabin. All this passed under the eyes of Logan's party, who immediately took possession of some of the deserted cabins. It was now day light, and frequent shots were exchanged between the parties. The expedient of Logan, to march safely to the assault of the cabin, was an ingenious one; and as far as our reading extends, original. He proposed to his party, to tear off the Indian cabin doors, and each to carry one before him, as a breast work, in advancing upon the Indian cabin, where the warriors were assembled. As they were marching upon the foe behind their movable wall, colonel Bowman, perceiving, that their plan of surprising the Indians was disconcerted, sent them an order to retreat. Captain Logan's party were astonished at this order, and reluctant to obey it. The retreat must take place over an open prairie, exposed to the covert fire of the Indians. Instead of a concerted retreat, in good order, every one endeavored to make the best of his way from the danger, in the mode dictated by his own judgment. Each one started away from behind his concealment; and made for the woods at his utmost speed. Some of their number fell by the bul-

lets, which the savages showered upon them, as they fled over the prairie. The stragglers assembled in the woods, and resumed something like order. The Indians sallied out upon the invaders, commanded by their chief, Black Fish. They were much inferior in numbers, not exceeding thirty; yet colonel Bowman's force, once intimidated, continued to fly before them under the impulse of terror, and were severely pressed. His force was brought to a halt, in a low and sheltered ground. His fire upon the surrounding enemy, who were protected behind bushes, produced little effect. Captains Logan, and Harrod, and others mounted some pack horses, and made a charge upon the Indians. This assault somewhat staggered them. Black Fish was killed, and the Indians in their turn took to flight. The men pursued an unmolested march homewards. In this ill managed expedition nine men were killed, and one wounded. The Indian loss was comparatively small. Only two or three were known to be killed.

The land law provided for the appointment of commissioners by the governor, to hear and determine all questions relative to land claims, and to grant certificates of settlement and pre-emption rights, according to the provisions of the act. The country of Kentucky was placed under the jurisdiction of this court, which was composed of four members, three of whom formed a quorum. Every enactment, that rendered the modes of obtaining titles explicit and easy, tended to increase the number of immigrants; and, in 1779, a considerable number of families moved to Kentucky from the interior of Virginia. The first court, under this enactment, was opened at St. Asaph's, the name given to Logan's settlement. To meet the wants of all points of the country, the court held its sessions at the several settlements in rotation. The court having completed the business, for which it was organized,

was dissolved in April, 1780. It had confirmed about 3,000 claims during its session. This furnished a very fair clue, by which to estimate the actual number of settlers. These adjudications excited the rage of land speculation.

The winter of 1779, and '80, was remarkable for its length and severity, and the accumulation of ice and snow. Many families, immigrating to the country, in their transit over the mountains, were arrested by the snows, and suffered exceedingly from cold and hunger. Their cattle perished, and in some cases the owners were compelled, by starvation, to feed upon their bodies. When they arrived in Kentucky, they found, indeed, plenty of animal food; but the grain of the country had been all consumed. They were introduced to the new modes of a backwoods life, by being obliged to subsist upon milk and meat. The arrival of so many new settlers in the spring rendered all the stations so crowded, that it was found necessary to establish many new settlements in the forests. The old stations, in the central parts of the state, were, of course, the safest from Indian attack; and the country had now an interior and a frontier; a safe and an exposed region. Many of the settlers at the close of this year, had a rustic abundance of all, that the country could supply. Some of the immigrants of this year were men distinguished for talents and standing, in the regions, from which they came. Among them we may name colonel Thomas Marshall, who had distinguished himself at the battle of Brandywine. Colonel Slaughter, also, descended the Ohio, to the falls, with 150 Virginia soldiers. This force, added to that of colonel Clark, already stationed there, gave this place the aspect of a regular fortification. The effect, however, was not such as might have been hoped. The people became confident, and careless, in their

imagined security. The Indians derived more advantages than the whites from the protection of the Ohio. They could cross that river, in their canoes, at any point, ravage, plunder, murder, and return, before the people could be sufficiently aroused to pursue them; and when once they had the Ohio in their front, and the interminable forests, north of it, in their rear, it was useless to follow them. Sometimes the soldiers met them, and measured back a severe retaliation.

Meanwhile, the British commandant at Detroit, having recovered from the consternation of the blow struck by colonel Clark, and fearing the effect, it might produce upon his Indian allies, prepared to measure back a severer blow than Kentucky had yet felt. He concerted an expedition with the Indian chiefs. Six hundred Indians and Canadians composed it. They were commanded by colonel Byrd, a British officer. It was appointed with two field pieces, and its first point of destination was Louisville. The summer of 1780, was uncommonly wet; and all the streams were full to overflowing. This circumstance induced the commander to change his original destination, and to ascend the river Licking, which was sufficiently high, to afford a water passage, to his force and artillery by that route, to the very centre of the country. Colonel Byrd landed his men and munitions on the point at the forks of Licking. His force consisted of 1,000 men. He reached Ruddle's station the 22d of June. This was a new stockade station, incapable of any defence against artillery. The excessive rains had driven the wood cutters from their usual business in the woods, to seek shelter under the roofs of the stations. Byrd arrived undiscovered; and the first notice of the people in Ruddle's station of his approach, was announced by the discharge of his cannon. He sent in a flag, demanding an immediate sur-

render at discretion. This demand Ruddle refused, except on condition, that the men surrendered should be the prisoners of the British, and not of the Indians. Colonel Byrd consented to these terms, and immediately the gates were opened to him. The Indians rushed into the fort, and each one laid his savage hands upon the first person, that presented. Parents and children, husbands and wives were thus dispersed, and separated in a moment. There are few, who can not imagine the wailing, the consternation and agony of children divided from their parents, and parents torn from their children. Ruddle remonstrated against these cruel enormities, to no purpose. Colonel Byrd had even some semblance of reason in his apology. He declared his utter inability to control savages, so much more numerous than his own troops, and affirmed that he himself was in their power.

After this station was thoroughly plundered, and the possession of the prisoners settled, the savages proposed to march immediately thence to the attack of Martin's station, at the distance of five miles. Colonel Byrd had been so much affected with the barbarity of the savages here, that he peremptorily refused, unless the chiefs would guarantee to him, that the prisoners should be entirely in his possession, and that the plunder only should be theirs. They consented. The station was taken without opposition, and the prisoners and plunder were divided according to the terms of their compact. The ease with which these conquests had been made, only stimulated the Indian appetite for more. The savages clamored to be led against Bryant's station, and Lexington. Colonel Byrd declined, and assigned as reasons, that success was improbable; that it was impossible to procure a sufficiency of provisions for the prisoners, they already had; that it would be utterly impracticable to convey their artillery to

any point of the Ohio, after the waters should have fallen; and that as there was a prospect of the speedy fall of the waters of Licking, prudence called upon them, to avail themselves of their present advantages, and descend the river immediately.

Moved by these reasons, the British and Indians commenced their return march. They descended to their boats, which they had left at the forks, embarked their artillery and munitions on board and began to descend the river. At the forks, the Indians separated from the British, taking with them the prisoners captured at Ruddle's station.

The escape of Hinkston from his savage captors furnishes an event of interest. He was remarkable for his tact and skill, as a woodsman; and in this escape evinced those powers of reasoning from circumstances, which would have escaped any observation, but one exercised like his; powers, which seem like the mysterious teaching of instinct. The second night of their march, the Indians encamped near the banks of the river. It rained, and the camp fires were not kindled, until after the dusk of evening. Part of the savages guarded the prisoners, and part kindled the fires. While they were so occupied, Hinkston sprang away from them. The alarm was given, and the Indians pursued him in every direction. He ran but a little distance before he laid down behind a great log, in the deep shade of a spreading tree. As soon as he perceived, that the uproar, occasioned by his escape, had subsided, he recommenced his flight, as silently as possible. The night was profoundly dark; and even his experience could discern no marks, by which to steer. After travelling sometime, as he supposed, in the direction of Lexington, he found to his terror, that he had circled back in sight of the camp fires again. There was no mark in the sky.

He could not see the moss on the trees; and could think of no clue to the points of the compass. Here he availed himself of his woodland skill. It occurred to him, that although he could not ascertain the direction of the air by his feelings, he might in another way. He dipped his hand in the water. When he raised it, he knew, that evaporation and coolness would take place on that side of his hand, from which the wind came. He had observed that the wind was in the west at sunset. Guided by this sure indication, he once more resumed his flight. After traveling for some time, he sat down, exhausted, at the foot of a tree, and fell asleep. Just before day, arose a dense fog, in which a man could not be seen at any distance. This saved him, when the light of dawn appeared. His ear was assailed with the howl of wolves, the bleating of fawns, the gobbling of turkeys, the hooting of owls, and the cries of the wild animals of the wilderness. He was enough acquainted with savage customs, to be aware, that these cries were savage imitations, to entice the animals within the reach of their rifles. They pointed out to him, also, his own danger. He found himself more than once, within a few yards of the foe. But he escaped all the dangers, and arrived safe at Lexington. He reached there eight days after the capture of Ruddle's station, and brought the first intelligence of that event.

The Indians crossed the Ohio with their plunder and numerous horses, at the mouth of Licking, and there dispersed. The British descended the Licking to the Ohio, and the Ohio to the mouth of the Great Miami, intending to ascend that river, as far as its depth of water would allow the transport of the artillery. The cannon were to be left there, and the forces were to march over land to Detroit.

The panic, occasioned by this severe blow, turned all eyes in Kentucky, upon general Clark, whose counsel

were received, as oracular and imperative. He advised a levy of four-fifths of all the men in the country, capable of bearing arms, to be assembled at the mouth of Licking, the 7th of July. Colonels Logan, Slaughter, Lynn, Floyd, and Harrod, were to command under him. He ordered the building of a number of transport boats at Louisville. The command of them was given to colonel Slaughter, and they were ordered up the Ohio to Licking, with provisions and stores. In ascending the Ohio, these boats were compelled to keep near the shore. They were worked up the river in two divisions, one on each shore. It happened, that while one of the boats was near the north shore, a party of Indians descended the bank, fired into the boat, and killed and wounded a number of the people, before the other boats could assemble to their assistance. On the way to the place of rendezvous, one of Logan's men deserted, taking with him a valuable horse. It was supposed, that he had fled with the horse to Carolina. But on the arrival of the detachment at the mouth of Licking, the horse was found there, and it was ascertained, that this traitor had gone over to the Indians, and had given them notice of the approaching expedition.

On the 2d day of August, 1780, general Clark, with his troops, took up the line of march from the place, where Cincinnati now stands, for the Indian towns. The army marched in two divisions, and consisted of 970 men. The force was arranged according to the most rigid precepts of war; and proceeded, without interruption, to the Indian towns, where they arrived the 6th of the month. They found the first town abandoned, and many of the houses burning, having been fired the preceding morning. They cut down several hundred acres of corn. At four, in the evening of the next day, they marched for the Piqua towns, distant twelve miles. They had but

just commenced their march, when they were drenched by a shower, accompanied with thunder and wind. They encamped in a hollow square, in the unpleasant predicament of being in an enemy's country, and knowing that their guns were all wet. With proper precaution, they fired, and reloaded them; and remained on the alert and prepared for action through the night.

At two in the afternoon of the next day, they arrived at Piqua. As they advanced upon the town, they were attacked by the Indians, who concealed themselves among high weeds, that skirted the town. Colonel Logan, with 400 men, was ordered to file off, and march up the river to the east, and so to post himself, as to prevent the escape of the Indians in that direction. Another division, under colonels Lynn, Floyd and Harrod were detached, to cross the river, and encompass the town on the west side; while general Clark, with the troops of colonel Slaughter, and those attached to the artillery, advanced upon the town in front. The prairie, where the Indians, who commenced the attack, were concealed, was about 200 yards over. The division, who were ordered to encompass the town on the west side, found it necessary to traverse the prairie, in order to avoid the fire of the concealed enemy. The Indians were seen to understand the purposes of the intended attack; and evinced great foresight and skill, in arrangements to defeat it. To prevent being surrounded by the advance of the detachment from the west, they made a powerful effort to turn the left wing. To prevent this, Floyd and Lynn extended their force a mile west of the town; and the engagement was warmly contested on both sides, until five o'clock, when the Indians disappeared, unperceived, and a few only remained in the town. The piece of cannon was brought up, and made to bear upon the houses, which soon dislodged the Indians,

that were in them. A most unfortunate occurrence took place at the close of the action. A nephew of colonel Clark, who had been a prisoner among the Indians, escaped from them, at this point of the engagement, and was shot by the troops, as supposed to be an Indian. Though mortally wounded, he survived some hours.

On searching the houses, a Frenchman was discovered, concealed in one of the cabins. By him the troops were informed, that the Indians had been instructed in all their movements; and had more than once determined to attack them silently in the night, with the knife and the tomahawk. They had intended this attack on the evening after the shower, knowing, that the guns were wet, but were prevented by the vigilance of colonel Clark; and by hearing the firing of the guns, were convinced, that the rain had not rendered them useless. The loss was nearly equal on either side, amounting to twenty killed. The Piqua town was built after the manner of the French villages. The houses extended along the margin of the river Miami, more than three miles, and were in many places more than twenty poles apart. Girty, of whom we have spoken above, had been made a chief among the Mingoes, and was in this action. Remarking the desperation, with which colonel Clark's men exposed themselves to the hottest of the fire, he drew off his 300 Mingoes, observing, that it was useless to fight with fools and mad men. It was estimated, that at Chillicothe and Piqua, more than 500 acres of corn were destroyed, and every thing, that related to subsistence, upon which the troops could lay their hands. The policy, that required these severe measures, was obvious. Apart from the gratification of those feelings of revenge, naturally enkindled by the exterminating warfare between them and the savages, when these means of subsistence were destroyed, the Indians were obliged to hunt

for food, and of course to suspend their hostilities for a season.

Having completed their work of destruction, the troops commenced their return march. At the mouth of Licking the army dispersed, and each individual selected his own mode and route of return. Seldom have troops been known to encounter the most severe toils and privations more cheerfully. The allowance had been neither more, nor less than six quarts of Indian corn, and a quantity of salt for each man, a day. And this had been their whole subsistence, except the green corn and vegetables, which they found in the Indian villages, and the chance game that offered by the way. But they were fully aware of the emergency of the case, and that if this force was defeated, the Indians would pour in upon the defenceless settlements, and butcher their wives and children in detail. Their purpose, therefore, was to conquer or perish.

In November, 1780, the country of Kentucky was subdivided into three counties, Jefferson, Fayette and Lincoln. Colonel Clark, this autumn, built a fort five miles above the mouth of the Ohio on that river. It was on territory claimed by the Chickasaws. The Chickasaws had hitherto been uniformly friendly to the Kentuckians, and as they loudly complained of this encroachment, it was thought advisable to evacuate it. Colonel Logan was elected a member of the general assembly of Virginia. In the spring of 1781, the Indians resumed hostilities against the Kentuckians. Their custom was to desist from hostilities, and to hunt through the winter; and to commence in the spring a series of operations, to annoy the whites as much as possible, until the winter again arrested their purposes of revenge. They way-laid the traces and paths through Jefferson county, and several persons were murdered.

A severe action was fought at this time by a small party under captain Aquilla White. This party followed on the trail of a marauding band of Indians, who were retreating to the falls of Ohio. White supposed, that the Indians had already crossed the river, and was preparing to cross it in the pursuit. The Indians were still on the south side, and fired upon his rear. Nine of his party, which consisted of but fifteen, were wounded, one of them mortally. The residue returned to the bank, faced the foe, and defeated them.

Soon after this, a station on the present site of Shelbyville was deserted, through fear of the Indians. The inhabitants, while on their way to the settlements on Beargrass, and while encumbered with carrying their effects and baggage, and driving their cattle, were fired upon by a large party of Indians. As their wives and children were equally exposed with themselves, the men felt it their duty, to disperse, and escape individually, if they might. Colonel Floyd learned the predicament of these unfortunate people. He collected twenty-five men, and hastened to their relief. He advanced with great caution, but fell, notwithstanding, into an ambuscade, and was defeated with the loss of half his men. The savages were supposed to have been triple in numbers, and nine, or ten of them were killed. Colonel Floyd was wounded, and would have fallen into their hands, but for the assistance of captain Wells, who dismounted, placed him on his horse, and ran by his side to support him. His conduct was the more generous, as the two had been personal enemies. But from this time, until their death, they were firm friends.

Two men of the name of M'Affee of M'Affee's station, near Harrodsburg, were fired upon. One fell. The other ran for the fort, at the distance of a quarter of a mile. An Indian met him. They presented their rifles, the muz-

zles of which almost touched. The gun of the Indian missed fire, and he fell dead. Two men came out from the fort, on hearing the firing. M'Afee warned them not to advance. One of them, not heeding the caution, ran to look at the dead Indian. Concealed Indians intercepted his return. He was now to compete with the Indians in dexterity, and the stake was his life. He sprang from tree to tree, pursued by them. His object was to avoid a shot, and their's was to gain it. He reached a fence, 150 yards from the fort, in safety. As he sprang over the fence, he exposed himself to a shot from one of these staunch hunters. He reached the opposite side of the fence without receiving the shot. His antagonist reached out his head from behind his tree, to take aim, and M'Afee shot him in the mouth. He reached the fort untouched, experiencing a hair breadth escape. The other man was fired upon by five Indians. He took refuge behind a tree, and four or five more shots were fired upon him. He also escaped them all, and reached the fort in safety. The station was immediately attacked by this same body of Indians. The females moulded and melted bullets for the men. After an attack of two hours, the Indians finding, that they produced no effect, killed all the cattle round the station, and withdrew.

Forty men, under the command of major Magery, hastily assembled at the alarm, and reached the station soon after the retreat of the Indians. They pursued, and overtook them. They defeated the Indians, and killed six of them. Of their party one was killed, and one mortally wounded. During the remainder of this season, the attacks of the Indians were in a great measure remitted; and the conviction seemed to be increasing, that something more than these desultory modes of warfare, was necessary to expel invaders, who were no longer strangers, wan-

cloring over the soil, but men fighting for their families and fire sides. A general confederacy of the Indian nations seemed determined, to make one grand effort, to effectuate this purpose, the succeeding year.

The counties began to wear the form of a regular and organized government. Officers, civil and military, were appointed, and the acts which had hitherto been the spontaneous result of individual wills, began to assume the aspect of emanating from the body politic. Among the officers appointed, Daniel Boone received the commission of lieutenant-colonel. The courts of judicature had a qualified jurisdiction in civil and criminal cases. Capital causes of the latter class, were tried in Virginia. Justices of the peace, and monthly courts of sessions settled all the smaller civil cases. But the simplicity of manners and habits, the fellowship of suffering and danger, and a distinct perception of their common exposure produced a state of society, little subjected to the evils of litigation. Colonel Clark, with the title of general, had received the chief command of all the military force of Kentucky.—His modes of defence were cheap, energetic, and judicious. They consisted in keeping scouts and spies on the frontier, and in causing a row-galley to ply on the Ohio, between the falls and the mouth of Licking, as a floating battery. The Indians are well known to have almost a superstitious dread of cannon. This galley had some four pounders on board; and the savages seldom crossed the river between the points, where it plied. Had a few such been stationed on the Ohio, the Indians of the north-west would have been effectually withheld from crossing. But the militia disliked serving on board of it, and the regular force having melted away, the row-galley was laid up, before the end of the year. Many sales of lands were effected in the surveyor's offices, and the tilled land yielded abun-

dant crops. The only considerable Indian attack, that we have to record at this period, was one, made upon Montgomery station, situated ten or twelve miles from Logan's station, and settled entirely with the relatives of Mrs. Logan. Her father and brother were killed; her sister, her sister-in-law, and four children were taken prisoners.

This disastrous intelligence soon reached colonel Logan. He collected part of his garrison, and hastened to the spot. He was joined by the survivors of the Montgomery family. They marched in pursuit of the Indians. They overtook, attacked, and routed them. Three were killed, and one wounded. The captives, except one of the children, threw themselves into the thick brush, and the Indians were too hotly pressed, to search for them. The child, that remained with them, they killed, to prevent its escape. The two women and three children were retaken.

Hitherto the numbers of male had greatly exceeded that of female immigrants. The cause of this is too obvious to need explanation. During the autumn of this year, great numbers of respectable families moved to the country, and the people began to *marry, and be given in marriage*. It is probable, that the first process issued by the clerk of either court was a marriage license. The principal avenue, by which immigration arrived in the country, was through Lincoln county. Of course, it was the first to become populous, and to show improvement.

The year 1781, marks a distinct era in the settlement of this country. In this year, it began to assume the form of a regular government. Marriages had become frequent, and the first difficulties of a commencing establishment in the wilderness seem to have been surmounted. We pause for a moment, to survey the natural and moral aspect of the new settlements. Most of the habitations were as yet log cabins with earth floors. The family utensils were of

wood from the adjacent trees. The inhabitants were clad either in skins won from the chase, or in cloth woven from buffalo wool and the bark of the wild nettle, or in coarse domestic linen. The little circulating medium in the country was paper, which had not depreciated as much in these woods, as at the capital, where it issued. The glorious news of the capture of lord Cornwallis excited even more exultation in these new regions, than in the Atlantic country. The British and their cause were identified, in the minds of the Kentuckians, with that of the savages, and they detested the one as cordially, as the other. They saw in this event, that peace could not be far distant. Winter came, and went, without any annoyance from the savages.

The funding of the continental paper about this time, wrought incalculable mischiefs for Kentucky. The depreciated paper poured in a flood upon the country; and land warrants, purchased with it, were so multiplied, that not unfrequently three or four claims were purchased upon the same spot. This was the origin of that mass of litigation, which has since been such a prolific stock of evils to the country.

In the spring of 1782, the people, who had experienced a season of repose, began to feel the effects of the savage confederacy, of which we have spoken. Two men were killed at Strode's station. The Indians spread over all the country in small bands, and commenced their customary desultory modes of ambush and murder. This circumstance lulled the apprehensions of the people, and caused them to neglect providing the means of defence against combined and powerful attacks. In May, a party of Wyandots assaulted Estill's station, south of Kentucky river, and after killing one man, and capturing another, and destroying the cattle, withdrew. Captain Estill raised a party, and pursued them. He overtook them on Licking fork,

near Little mountain. The numbers on each side were nearly equal, and the contest was most obstinately maintained. Captain Estill, perceiving, that the only issue, which could be expected from continuing to fight in this way, would be gradually to weaken, and destroy both parties, detached six men under a lieutenant, to fall upon their rear. From some cause, this detachment failed to fulfil the assigned duty. The savages, perceiving the diminution of numbers from the proportionate slackening of the fire, pressed more resolutely upon captain Estill. The party was compelled to retreat. The captain and eight of his men were killed, and four of those, who escaped, were severely wounded. A county, called Estill, commemorates the intrepidity, name, and misfortunes of this man. The result of this action created great excitement and alarm. Separate from feelings of wounded pride, the people remarked, that the Indians had never before been known, to manifest so much military skill, and open, and manful daring, in what might be called a pitched battle. In several other assaults upon different stations, the savages generally had the advantage.

In August, 1782, a grand assemblage of warriors convened at Chillicothe. The Cherokees, Wyandotts, Tawas, Pottowatomies, and various other tribes bordering on the lakes, were represented in it. They were aided by the counsels of Girty and M'Kee, two renegade whites. The hands of these wretches were stained with the innocent blood of women and children; and they added the acquirements of the whites to the instinct and skill of the savages, whose ways they preferred, and whose interests they espoused with even more ferocity, than the savages themselves. Girty is said to have played the orator on this occasion. His speech is reported to have been admirably calculated to arouse the most malignant feelings of ven-

geance in the savages. He painted to them the delights of the land of cane, clover, deer, and buffalos, and the charming valleys of Kentucky, for the possession of which, so much blood had been shed. He painted the gradual encroachments of the whites, and the necessity of a determined effort, if they would ever regain possession of that fair domain. He warned them, that if the present order of things continued, the whites would soon leave them no hunting grounds, and no means of procuring rum, with which to warm, and cheer their desolate hearts, or blankets to clothe their naked backs. The speech was received with yells of enthusiastic applause.

At the close of this harangue, the savages took up the line of march for Kentucky. Their first point of destination was Bryant's station. It consisted of forty cabins, built in the form of a parallelogram, and the intervals between the houses were filled up with pickets in the customary manner. The four angles were fortified with block houses. The savage force arrived before the place, on the 15th of the month. The garrison had been weakened by the desertion of most of the immigrants from North Carolina, who had returned to their own country in discouragement, occasioned by the death of William Bryant, who had been killed by the Indians at the mouth of Cane run. Fortunately their loss had been supplied by immigrants from Virginia. Among them was Robert Johnson, Esq., father of the present colonel R. M. Johnson. This station was more open to the savage attacks, than any other in Kentucky. The Miami on the north, and the Licking on the south side of Ohio, were long canals that conducted the savages from their villages directly to this point. There were but two other stations, occupied at this time, north of the Kentucky river. These were M'Gee's and Stroud's.

The savages reached this station by night; and the inhabitants were admonished of their presence in the morning, by being fired upon, as they opened their doors. It was providential that the attack was commenced so early in the morning; for the men of the garrison were preparing to march to the aid of the other two stations, the troops of which were reported to have been attacked by the savages. In a couple of hours they would have been on their way, and the men of the fort would have been reduced to a mere handful. The garrison immediately despatched messengers to Lexington, to announce the assault. On arriving there, the messengers found, that the male inhabitants had left that place, having marched to the assistance of Holder. The messengers followed on their route, and overtook them at Boone's station. Sixteen mounted men, and thirty on foot were immediately detached to the assistance of Bryant's station.

In conformity to the common modes of Indian warfare, they attempted to gain the place by stratagem. A party of 100 commenced the attack upon the south-east angle, with a view to draw the whole attention of the garrison to that point. The great body of the enemy, to the number of 500, lay concealed among the weeds upon the opposite side of the station, and within pistol shot of the spring, from which it was supplied with water. This stratagem was predicated on the belief, that the people would all crowd to the point, where the attack commenced, and leave the opposite one wholly undefended. The garrison, however, comprehended the whole purpose; and instead of returning the fire, instantly commenced repairing the palisades, and putting the station in a condition of defence. Aware, that the Indians were concealed near the spring, they were assured that they would not fire, until they saw the men repairing to that point. The women, in

this confidence, ran to the spring, and drew water for the supply of the garrison, within shooting distance of the concealed Indians. When a sufficiency of water had been drawn, and the station put in such a state of defence, as such a short notice might furnish, thirteen men were sent out in the direction, where the fire commenced. They were fired upon by 100 Indians, and the ambuscade rushed upon the side of the fort, which they deemed, was now without defence. Their disappointment may be imagined, when they found every thing prepared for their reception. A well directed fire from the garrison put the savages to flight. Some of the more desperate and daring approached sufficiently near to fire the houses, some of which were consumed. But an easterly wind providentially arose, and drove the flames from the mass of the buildings, and the garrison was saved. The enemy withdrew and concealed themselves on the bank of the creek near the spring. They had been, in some way, informed of the despatch of the two men to Lexington for aid; and they arranged an ambuscade, to intercept such forces, as might be sent, on their approach to the station. When this reinforcement came in sight, the firing had ceased. No enemy was visible; and they drew near in the confidence, that they had come on a false alarm. They rode forward through a lane, which was ambuscaded for 100 yards on either side by Indians. The mounted men created a dense cloud of dust, as they moved along. The Indians fired upon them close at hand, but the obscuring dust hindered their aim. The sixteen rode through this close fire unharmed, and without having even a horse wounded. The footmen were less fortunate. They were approaching the garrison through a thick corn field, and in a direction to have reached it unobserved by the savages. But hearing the firing on their mounted compan-

ions they rushed to their aid, and were intercepted by masses of the savages, constantly increasing between them and the station. They would all have fallen, but for the thickness of the corn field. These brave men reached the fort, with the loss of two killed, and four wounded. The cattle and sheep, that came in towards the garrison, as usual, in the evening were mostly destroyed.

A little after sunset, the famous Girty covertly approached the garrison, and on a sudden made himself visible on a stump, whence he could be heard by the people within, and demanded a surrender of the place. He managed his proposals with no little art, assigning, as a reason for making them, that they were dictated by his humanity; that, in case of a surrender, he could answer for the security of the prisoners; and that in the event of taking the garrison by storm he could not; that cannon were approaching with a reinforcement, and would arrive that night; in which case they must be sensible, that defence of the place would be wholly unavailing. His imposing manner had the more effect in producing consternation, as the garrison knew, that the same foes had recently used cannon in the attack of Ruddle's and Martin's stations. In the course of his harangue, Girty demanded of the garrison, if they knew who it was, that addressed them? A young man by the name of Reynolds, of whom honorable mention will be made hereafter, observing the depressing effect of this speech, came forward, and answered him to this effect—that they did know him well; and that he was held in such detestation and contempt, that he himself had named a worthless dog, that he owned, *Simon Girty*; that the garrison, too, expected reinforcements enough, to give an account of the cowardly wretches that followed him; that he, for his part, held them in so much contempt, that he should disdain to discharge fire arms upon them, and

that if they broke into the fort, he had prepared a great number of switches, which he had no doubt, would be sufficient to drive the naked rascals out of the country.

Girty seemed very little flattered, or edified with such an impolite reply, and affecting to deplore, their obstinacy and infatuation, speedily retired. During the night a small party was left, to keep up occasional firing, and the semblance of siege, but the main body marched hastily away to the lower Blue-licks. The Indians and Canadians exceeded 600, and the besieged numbered but forty-two. The Indians must have suffered a considerable loss, but the amount is not known.

As the battle of the 'Blue licks' gave this place a melancholy notoriety, it may not be amiss to present the reader a general view of its locality. It is situated forty miles from Lexington, and thirty from Bryant's station. The river Licking at this place, in common stages of the water, is 300 feet wide. The lick is in an elliptical bend of the river, and the lime stone has been laid bare by the innumerable herds of animals, that in the ages past, came here to drink the water, and lick the salt clay. It is intersected by ravines and a ledgy ridge. The summit of the ridge was sterile, and almost naked of timber. But the ravines were timbered, and skirted with thick brush.

Shortly after the decampment of the Indians from Bryant's station, the soldiers of Lexington, Harrodsburg and Boonesborough assembled at Bryant's station, to the number of 160, and determined immediately to pursue the Indians. They were commanded by colonels Todd and Trigg. The odds, in point of numbers, was very great between this force and that of Girty. But they were brave and high spirited men, well mounted, provided, and armed. The veteran Boone was among them, and they burned with a desire, to chastise the insolent and murder-

ous invaders. Prudence should have induced them to wait for the reinforcement of colonel Logan, who was known to be collecting forces in the other stations, to join them. They rashly chose to march unaided and by themselves. On their route, they soon came upon the Indian trail. The experienced eye of Boone, collected, and intuitively comprehended circumstances, which convinced him at once, that the savages wished to be pursued, and to conceal their numbers. The first he inferred from the circumstance, that they had taken no pains to conceal their trail; the second from the fact, that they marched in single file, treading the one in the steps of the other, so that it was impossible to decypher their numbers, from counting their footsteps.

This gallant force arrived at the lower Blue licks, without having seen a single Indian. On reaching the river at this place, they discovered a few Indians, leisurely retiring over the bald ridge, that crowned the upper extremity of the valley. The party halted, and the commanders consulted colonel Boone, as a man skilled in Indian warfare, and of deep experience in their modes of assault and deception, and as capable of drawing inferences, as to their numbers and purposes, and as also acquainted with the ground. Colonel Boone gave it, as his opinion, that the enemy were more than double their number, and were in the ravines in ambush; that if the troops advanced upon them, the Indians had the advantage of position still more, than numbers. He advised, therefore, that their force should be divided into equal parts; that the one part should march up the river, and cross it at Elk creek above the upper ravine, while the other part should take a position, to be able to co-operate with them in another quarter; that in this way the advantage of position would be taken from the Indians, and transferred to them; but above all, he cautioned them against crossing the river at

all, until they should have sent out spies, thoroughly to reconnoitre the position and force of the savages. The officers were disposed to listen to this salutary counsel of wisdom and experience. But major Hugh M'Gary, remarkable for his impetuosity, exclaimed against the cowardice of delay. 'Let all,' cried he, 'who are not cowards, follow me, and I will show them the enemy.' Saying this, he spurred his horse into the river. As might be expected, the party caught the contagious rashness. The officers were borne along by the mass, as it crowded tumultuously into the river. After the crossing, there was neither order, nor arrangement; but every man rushed forward, at his own choice, over the bare rocks towards the sheltered ravines, and the wooded ground, where the Indians were concealed in close ambush.

Majors M'Gary and Harland, and captain M'Bride led the advance. Girty, at the head of a select band of savages rushed upon them with their customary yells. The contest was instantly fierce and sanguinary. The Indians had every advantage both of numbers and position. The disorderly front of the assailants gave them still further superiority. The right wing was soon turned; and a retreat was inevitable, and that too, under the murderous edge of the tomahawk. Colonels Todd and Trigg, and major Harland fell early in the action. The survivors pressed their retreat for the ford, on foot and on horseback. But the Indians interposed between them, and intercepted their approach to the ford; thus forcing them to take to the river, where it could only be crossed by swimming. Of course the greatest carnage took place near the ford; and many were tomahawked in the river. A man, whose personal courage had been the subject of doubt and question, here nobly proved those doubts unfounded. He halted on the opposite bank, and animated others to follow his exam-

ple. They faced, and commenced a fire upon the pursuers, and checked them for a moment; thereby enabling some exhausted and wounded fugitives to evade the tomahawk, already uplifted to destroy them. The brave and benevolent Reynolds, whose reply to Girty has been reported, relinquished his own horse to colonel Robert Patterson, who was infirm from former wounds, and was retreating on foot. He thus enabled that veteran to escape. While thus signaling his disinterested intrepidity, he fell himself into the hands of the Indians. The party that took him, consisted of three. Two whites passed on their retreat. Two of the Indians pursued, leaving him under the guard of the third. His captor stooped to tie his moccasin, and he sprang away from him, and escaped. It is supposed, that one-fourth of the men, engaged in this action, were commissioned officers. The whole number engaged was 176. Of these sixty-one were slain, and eight made prisoners. Among the most distinguished names of those, who fell, were those of colonels Todd and Trigg, majors Harland and Bulger, captains Gordon and M'Bride, and a son of Daniel Boone. The loss of the savages has never been ascertained. It could not have equalled that of the assailants, though some supposed it greater. This sanguinary affair took place, August 19th, 1782.

Colonel Logan, on arriving at Bryant's station, with a force of 300 men, found the troops had already marched. He made a rapid advance in hopes to join them, before they should have met with the Indians. He came up with the survivors, on their retreat from their ill-fated contest, not far from Bryant's station. He determined to pursue his march to the battle ground, to bury the dead, if he could not avenge their fall. He was joined by many friends of the killed and missing, from Lexington and Bryant's station. They reached the battle ground on the 25th.

It presented a heart-rending spectacle. Where so lately had arisen the shout of the robust and intrepid woodsmen, and the sharp yell of the savages, as they closed in the murderous contest, the silence of the wide forest was now unbroken, except by birds of prey, as they screamed, and sailed over the carnage. The heat was so excessive, and the bodies were so changed by it, and by the hideous gashes and mangling of the Indian tomahawk and knife, that friends could no longer recognize their dearest relatives. They performed the solemn rites of sepulture, as they might, upon the rocky ground.

The Indian forces, that had fought at Blue licks, in the exultation of victory and revenge, returned homewards with their scalps. Those from the north, and they constituted the greater numbers, returned quietly. The western bands took their route through Jefferson county, in hopes to add more scalps to the number of their trophies. Colonel Floyd led out a force to protect the country. They marched through the region on Salt river, and saw no traces of Indians. They dispersed on their return. The greater number of them reached their station, and laid down fatigued, and exhausted, without any precaution against a foe. The Indians came upon them in this predicament in the night, and killed several women and children. A few escaped under the cover of the darkness. A woman, taken prisoner that night, escaped from her savage captors, by throwing herself into the bushes, while they passed on. She wandered about the woods eighteen days, subsisting only on wild fruits, and was then found, carried to Lynn's station, and survived the state of extreme exhaustion in which she was found. Another woman, taken with four children, at the same time, was carried to Detroit.

The terrible blow, which the savages had struck at Blue lick, excited a general and immediate purpose of retaliation through Kentucky. General Clark was appointed commander in chief, and colonel Logan next under him in command of the expedition, to be raised for that purpose. The forces were to rendezvous at Licking. The last of September, 1782, general Clark, with 1,000 men, marched from the present site of Cincinnati, for the Indian towns on the Miami. They fell in their route upon the camp of Simon Girty, who would have been completely surprised with his Indians, had not a straggling savage espied the advance, and reported it to them, just in season, to enable them to scatter in every direction. They soon spread the intelligence, that an army from Kentucky was marching upon their towns.

As the army approached the towns, on their route, they found that the inhabitants had evacuated them, and had fled into the woods. All the cabins at Chillicothe, Piqua, and Willis', were burnt. Some skirmishing took place, however, in which five Indians were killed, and seven made prisoners, without any loss to the Kentuckians, save the wounding of one man, which afterwards proved mortal. One distinguished savage surrendered himself, and was afterwards inhumanly murdered by one of the troops, to the deep regret and mortification of general Clark.

A female achievement of heroism, is worthy of record in this place. A party of Indians, in October, of this year, approached a house near the Crab orchard. A woman with three children and a negro servant were the occupants. One of the Indians rushed into the house, and made towards the negro. A little girl instantly shut the door between him and the entering Indians. The negro grappled with the Indian, and threw him down. The woman seized an axe, and killed him with a well directed

blow on the head. The Indians on the outside, hearing the mortal affray, attempted to cut down the door with their tomahawks. A body of armed men happened to be passing that way, and came to the relief of the family, upon which the Indians fled.

From these gloomy and wearying chronicles of Indian wars and murders, we return a moment to the civil aspect of the country. Two additional land offices were opened, in November, 1782; one at Lexington, and the other at Coxe's station. The tide of immigration to the country was still increasing. Many illiterate persons, ignorant of the forms of law, and the necessity of precision in the specification of the limit of their titles, but exceedingly greedy of the possession of lands, were purchasers. As a specimen of the vagueness of the butts and bounds of their claims, and as accounting for the flood of litigation, that ensued, we give the following copy of an entry. It may serve substantially, as a sample of multitudes.—‘George Smith enters 500 acres of land, on a treasury warrant, lying on the north side of Kentucky river, a mile below a creek, beginning about twenty poles below a lick, and running down the river, westwardly and north-westwardly, for quantity.’ Surveyors, while keeping within their respective limits, were surprised to find, that they crossed each others lines in every direction. In this way, twice the existing area of vacant lands were sold.

The winter of 1782, and '83, passed off with little disturbance from the Indians. The people looked forward to the expected treaty of peace, between the United States and Great Britain, as a season of respite from Indian warfare. They entertained a confidence, that these ruthless beings would desist from their expeditions, when they should be obliged to sustain them single handed. In these remote forests, the glad tidings were circulated, in the

spring of 1783, that a provisional treaty of peace had been signed at Paris, in 1782. The part of the treaty, which most intimately interested the Kentuckians, was that, which concerned the definitive boundaries between the United States and Great Britain. Nothing was more directly vital to her interests, than that the posts, which the British possessed, near her frontier, should be in the possession of the United States. So long, as they were in the keeping of the former power, the savages could issue from them, supplied with aid, counsel, provisions, and munitions, to annoy the new settlements at their pleasure.

In March, 1783, an improvement in the judiciary arrangements of the country was made. The three counties were constituted by law, the 'District of Kentucky.' A new court was established, with chancery and common law jurisdiction. It was also constituted a court of *oyer and terminer*, in criminal cases. The first session was held at Harrodsburg. The two judges were commissioned by the governor of Virginia. The governor also nominated an attorney general for the district. A jury was empannelled, and much judicial business transacted with all the forms of law. No room was found sufficiently large for the session at Harrodsburg, and the court adjourned to a Dutch church, at five miles distance. The clerk and attorney general were appointed by the court, a committee, to select some safe place, near Crow's station, and there to erect a log court house. They gave, at the same time, a commission to build a log prison. These were the first buildings of the kind in Kentucky. Around the spot, selected for these buildings, grew up the town of Danville. This court continued to hold its sessions, here, until, by the separation of the state from Virginia, it was abolished.

The summer of 1783, was one of repose and respite from Indian war. Immigrants continued to pour into the

country. The rough and unwrought furniture from the woods gave place to cabinet furniture. Considerable money circulated, and labor was well rewarded. Cattle and flocks multiplied; and that rank growth of corn was seen in the fields, which was the presage of the abundance of this state in that article ever since. Wheat began to be raised, at first as an experiment. Reading and writing schools were commenced. The pernicious article, whiskey, began to be manufactured. Merchandize was wagoned from Philadelphia to Fort Pitt, now Pittsburg, and was thence conveyed, in flat boats, to Louisville, where a retail store was opened.

An amusing incident in the administration of the laws, occurred at this time, which may serve, also, to give a general idea of the state of things in the country. Thomas Paine had published a book, the substance of which was to prove, that Virginia had no right to the Kentucky lands; but that they belonged of right to congress. Two Pennsylvanians, who had become converts to this doctrine, descended to Kentucky to proselyte the people there. One went to Louisville, but gained no converts. The other succeeded better at Lexington. He persuaded some people to commence clearing in their neighbors' lands, in the hope, that when these were declared congress lands, they might claim by pre-emption. The occupants of these lands were alarmed, and applied to a justice, to arrest this disciple of Paine's doctrines, as a disturber of the peace. It was necessary to find a law for the purpose; and one was discovered in the Virginia code, which made it penal for any one to be the bearer of false intelligence; and the person convicted was to pay a mulct of tobacco, at the discretion of the court. On this statute the man was arrested, and brought up for examination. At the second trial, the man was convicted, as he had not even had the

precaution to bring the book with him; and perhaps had a plagiarizing purpose, to pass as the author and inventor of the doctrine. A great concourse of people attended the trial. He was sentenced to pay 1,000 pounds of tobacco, or go to prison. There was not that amount of tobacco in the country. While he was sadly ruminating with himself upon the moral turpitude and guilt of circulating false intelligence, preparatory to his imprisonment, it was intimated to him, that if he left the country, it would answer the laws as well as if he went to prison. The man made his election and disappeared.

The winter of 1783, and '84, was uncommonly severe. The accumulation of snow and ice did not quite reach that of the hard winter, mentioned before. Companies of speculators in Kentucky lands, were formed in Philadelphia, and a mercantile establishment, of which general Wilkinson was at the head. The general came out to Lexington in February, 1784. His appearance, standing, rank, and supposed wealth, procured for him such a reception, as might naturally be expected, in such circumstances of the country. The time, within which the British posts, on the frontiers, should have been evacuated, elapsed without that desirable event taking place. The country north of Licking had been, as yet, unoccupied by the whites, through fear of the northern savages. Surveyors were sent into this country, to survey it, in March, 1784. They discovered that Indians were among them in the country, and consulted their own safety by returning.

Many of the more thinking and intelligent people in the country, wished to put an end to this long series of murders and retaliations, by inviting the Indians into the settlements, and treating them with kindness, and by inspiring them with confidence, creating in them pacific sentiments.

There were others, who in remembrance of murdered friends, had sworn irreconcilable enmity. By a man of such feelings, an Indian was enticed into the woods and murdered. An attempt was made to discover and punish the assassin; but this was found impracticable. The clouds of another Indian war were gathering. It had been suspended for a while. This was one among many circumstances, that caused it to burst anew.

In 1784, Simon Kenton re-occupied the settlement, near Washington, which he had commenced, in 1775. Associated with a number of people, he erected a block house, and made a station here. This became an important point of covering and defence for the interior country. Immigrants felt more confidence, in landing at Limestone. To render this confidence more complete, Kenton and his associates built a block house at Limestone. Two men of the name of Tanner, had made a small settlement, the year preceding, at Blue lick, and were now making salt there. The route from Limestone to Lexington became one of the most general travel for immigrants, and many stations sprang up upon it. Travellers to the country had hitherto been compelled to sleep under the open canopy, exposed to the rains and dews of the night. But cabins were now so common, that they might generally repose under a roof, that sheltered them from the weather; and find a bright fire, plenty of food, and with the rustic fare a most cheerful and cordial welcome. The people of these new regions were hospitable from native inclination. They were hospitable from circumstances. None but those, who dwell in a wilderness, where the savages roam, and the wolves howl, can understand all the pleasant associations, connected with the sight of a stranger of the same race. The entertainer felt himself stronger from the presence of his guest. His offered food and fare

were the spoils of the chase. He heard news from the old settlements, and the great world, and he saw in the accession of every stranger, a new guarantee of the security, wealth, and improvement, of the infant country, where he had chosen his resting place.

In 1784, there were only three counties in Kentucky. Lincoln county was comprised in the country south of Kentucky river. Colonel Logan held the highest military command in it, with the name of 'County lieutenant.' The first thoughts of a future separation from Virginia, and an erection of the new country into an independent state, seem to have originated with him. His views were directed to this point by a case, which taught him most palpably, the difficulties of defending the country by any combined system. An alarm was propagated in Kentucky, by intelligence received from the Cherokees, that some of the southern tribes of savages were about to invade the settlements. Colonel Logan immediately attempted general and systematic measures of defence. The difficulty of acting as a government became apparent. The people were widely distant from the parent country. Before intelligence could be conveyed to the capital, and measures adopted, and answers obtained, danger might come, and pass away. If the people acted from their own movement and responsibility, they might raise troops and enter upon an unauthorized expedition, and not only remain unpaid, but even expose themselves to be called to account. The invasion at this time, did not, indeed, take place; but the difficulties of providing for the supposed emergency first directed the minds of the people to those measures, which eventuated in the erection of Kentucky into an independent state.

A meeting of the people, collected at Danville, recommended to choose one representative from each militia

company in the district, to meet December 27th, 1784, as a convention, to devise some means to provide for the common defence, and to preserve the settlements from the apparent impending destruction. The delegates met at the time and place appointed, and resolved, that the great and substantial evils, to which they were subjected, arose from causes beyond the control of the parent state, to wit: their remoteness from the capital of that state, and that from their distant and detached position, their difficulties could never be obviated, until they had a government of their own. The constitution of Virginia had made provision for the erection of one or more governments, in the western territory whenever occasion might require. In pursuance of the above resolution, they recommended the election of members in every county, to meet in another convention, to be held in the same place, May 23d, 1785. The object of this convention was, 'to discuss the propriety of making application to the legislature of Virginia for permission to become an independent state.'

In consequence of this resolve, members were elected for this purpose, who met at Danville at the time appointed. They resolved, to present a petition to the Virginia legislature, to be allowed to become a separate state; and that the states when so separated, ought to be admitted into the union of the states, upon a footing with the rest; and that the people should elect another convention, to meet in the following August, at the same place, to take into consideration the circumstances of the district, and to adjourn from time to time, until April, 1786.

The progress of strength and population is distinctly marked by the erection of new courts and counties. In January, 1785, the new county of Nelson was created. The interior of the country was now so populous, and the settlements so strong, and compact, that the people no lon-

ger feared Indian invasion. But the recent remembrance of the bitter sufferings, from which they had escaped, led them to think of their suffering brethren on the frontiers, who were still in the endurance of the same evils. In the ensuing March, 1786, the Indians dispersed a small settlement, that had been made at the mouth of Kentucky river.

The appointed convention met, August 8th, 1785. They recommended to the militia, to concert certain plans for the defence of the country; and they drafted a memorial to the legislature of Virginia on the state of the country, and another to the people of Kentucky. The memorial was written in a style of calm and dispassionate reasoning, and set forth their reasons for wishing a separation from the parent state, and their claims by the provision for such separation in the acts of that legislature. The memorial to the people recapitulated the horrors of Indian invasions and murders at all the stations, particularly at Bryant's and Kincheloe's, and addressed an animated appeal to their humanity and patriotism, to prevent the recurrence of such terrible evils. It dwelt upon the rumours of savage confederacies, forming to renew these scenes, and pointed out how easily, without some general and organized means of defence, the savages might react their horrid tragedies in the country; and it closed by recommending the people to call on the county-lieutenants, to carry into strict and prompt execution the law for regulating, and disciplining the militia. As there was no printing press as yet in the country, the convention found no inconsiderable difficulty in causing a sufficient promulgation of their resolutions and doings. Many written copies were circulated, and means taken, not unlike the duties of the heralds in ancient Greece, to recite these acts at general meetings, and gatherings of the people.

In October, 1785, Mr. M'Clure and family, in company with a number of families, was attacked, and defeated on Skegg's creek. Six were killed, and Mrs. M'Clure, her child, and a number of others made prisoners. The attack was made in the night. The circumstances of the capture of Mrs. M'Clure furnishes an affecting incident, illustrating the invincible force of maternal affection. She had secreted herself, with her four children, among thick brush, which, together with the darkness, screened her from observation. Had she chosen to have left her infant at a distance, she might have escaped. But she held it to her bosom, aware that its shrieks would make known her covert. The Indians, directed by its cries, killed the three larger children, and took her and her infant captives. This unfortunate woman was obliged to accompany their march on an untamed and unbroken horse. Intelligence of this massacre circulated rapidly. Captain Whitley immediately collected twenty-one men from the adjoining stations, overtook, and killed two of them, and retook Mrs. M'Clure, her babe, a negro woman, and the scalps of the six persons, whom the Indians had killed. Ten days afterwards, another party of immigrants, led by Mr. Moore, were attacked, and nine of their number killed. Captain Whitley pursued the perpetrators of this bloody act with thirty men. On the sixth day of pursuit, he came up with twenty mounted Indians, clad in the dresses of those, whom they had slain. They dismounted, and fled. Three of them were killed. The pursuers recovered eight scalps, and all the plunder, which the Indians had collected at the late massacre.

In consequence of the recommendation to the county-lieutenants, an expedition was got up against the Wabash Indians. The command was given to general Clark. It consisted of nearly 1,000 men, and marched for the Indian

towns from Louisville. The provisions and munitions proceeded for the Wabash in boats. The men arrived near the towns, before their provisions. They became discontented, and mutinous in consequence. General Clark called a council of his officers, and finding it impossible to appease the discontents of the soldiers, marched them back, without striking a blow.

Colonel Logan at the same time raised a force to march against the Shawnee Indians, who dwelt on the Scioto. He rightly deemed, that the Indians there would have their thoughts turned towards general Clark's expedition, so as to leave their own towns unprotected. It was some time, before he was able to collect a sufficient force. He reached, and surprized an Indian town, killed a number of the warriors, and took most of the women and children prisoners.

In October, 1785, the national government convoked a general meeting of the Indian tribes north of the Ohio, at the mouth of the Great Miami. The commissioners to meet them were general Butler from Pennsylvania, general Clark from Kentucky, and general Parsons from New England. No tribe met them, except the Shawnees, and no beneficial effects resulted from the meeting with them. From the representation of a majority of the commissioners, congress seems to have entertained an impression, that at least a part of the cause of these continued hostilities lay at the door of the Kentuckians, and that in many instances, they had been the aggressors.

In 1786, the legislature of Virginia, having received the memorial of Kentucky, touching a separation, passed an act, specifying the conditions, upon which they would consent to a separation, and would use their influence to procure the admission of Kentucky into the union of the states. They enacted, at the same time, that in the enst-

ing August, 1786, the voters of Kentucky should elect representatives, to meet at Danville, on the fourth Monday of September, in the same year, as a convention to determine by a majority of votes, if it was the will of the whole people, that the separation should take place, upon the conditions specified. Each county was to furnish five members. If the convention determined in favor of the separation, they were to fix a day, subsequent to September 1st, 1787, on which the authority of Virginia, saving the mentioned exception, was forever to cease, and determine, and the forementioned articles were to be considered a binding compact between the two parties. An appendage to the exception was, that prior to June 1st, 1787, congress should assent to the erection of the said district into an independent state, and should admit it into the Union, thereby releasing Virginia from all its Federal obligations, arising from the former possession of the said district. Precautionary provisions were also made, to prevent the evils of anarchy, during the interregnum. As soon as the Kentucky convention should pass an act of separation, predicated on these conditions, it was resolved, that it should be transmitted to the Virginia delegation in congress, and they were instructed to use their influence, to procure the admission of Kentucky into the Union. At the same time acts were passed, creating three new counties in Kentucky, to wit, Bourbon, Mercer, and Madison.

In recurring to the chronicle of Indian assaults, while these civil transactions were in train, we ought to record the death of colonel Christian, who was killed by the Indians, on Beargrass, in April, 1785. He was a native of Virginia, and married a sister of Patrick Henry. He had served honorably in Braddock's war, under lord Dunmore, and during the war of the revolution. He had led an army of 1,200 men from Virginia with success, against

the Cherokees. In 1785, he removed with his family to Kentucky. Colonel Floyd had also recently deceased, in this settlement, from the effect of a wound inflicted by the Indians. The fall of colonel Christian, of distinguished name and influence among the people, increased the dismay occasioned by that event.

The interval of time between the enactments of Virginia, touching the separation of Kentucky, and the meeting of the convention in Kentucky, to act upon them, was one of strong political excitement. Party spirit ran high. Some thought, that Virginia was not sincere in her professions upon the subject; and were for taking the matter of the separation entirely into their own hands. Others were for waiting for the separation, in the order prescribed by Virginia. The convention met at the time and place appointed. There were not members enough present, to constitute a quorum, owing to the absence of many of them upon the contemporaneous expeditions of general Clark, and colonel Logan, which we have mentioned. The members present, however, under the name of a committee, prepared a memorial to the legislature of Virginia, assigning the reasons why the convention was not fully attended, and requesting some amendments in the act of separation. This memorial was laid before the general assembly of Virginia.

In consequence of the invasions of Clark and Logan, the Indians commenced their usual measures of revenge. In the autumn of 1786, a party of immigrants were attacked, and twenty-one killed. The commencement of this year witnessed treaties with all the neighboring tribes; and the close of it was marked with the breaking out of a general war. The convention to deliberate about the separation from Virginia, was kept alive by adjournment, until January, 1787; when a sufficient number of

members assembled to constitute a quorum. The question, whether it was expedient to assent to the proposed terms of separation, was decided in the affirmative. Meanwhile they received from the legislature of Virginia, an act predicated upon the memorial, sent from the committee of that body, before a quorum had assembled. That act recommended the calling another convention. This convention immediately dissolved itself.

The election of the new convention was to take place, August, 1787; and to meet in the succeeding September. It was to remain in session a year. Two-thirds of the whole number of members were to concur in the act of separation, to render it valid. The 4th of July, 1787, was the time designated for the acting of congress upon the question of the admittance of the state into the Union. The same provisions against anarchy in the interregnum were made, as before. As yet, there was no post office in the country, and the difficulty of promulgating the acts of congress, or any other information, may be easily imagined.

At this time commenced in Kentucky, the agitating debates, touching the navigation of the Mississippi, to which we have already alluded, more than once. An association in the western parts of Pennsylvania, calling themselves a 'committee of correspondence,' addressed a communication to the inhabitants of Kentucky, informing them that the American secretary for foreign affairs was making propositions to the Spanish minister, to cede to that power the exclusive right to the navigation of the Mississippi, for twenty-five or thirty years. This announcement created a great sensation. It was always felt in the West, that this was one of the most vital and essential interests of the western country. Circular letters written by intelligent and respectable men, calling the attention of the people to

this subject, and recommending prompt and decided measures, were sent in all directions. But before any decisive measures could be taken, the people were informed, that Virginia had instructed her representatives in congress, to make strong representations against the impolicy of relinquishing such right to the navigation of the Mississippi to Spain.

About this time the Indians killed a man in Lincoln county. Colonel Logan, with a party, pursued and overtook them, and killed some of their number. The tribe, to which these Indians belonged, remonstrated to the government, alleging, that they were included in the late treaty, and that the whites were the aggressors in the affray, that caused the murder. They demanded reparation. The attorney general of Kentucky was instructed to prosecute in such cases. He replied, that it would be out of his power to do it officially; and that it would render him odious, to do it in his private capacity. In the summer of this year, general Wilkinson went to New Orleans with a cargo, chiefly of tobacco, by the way of the Mississippi. Strong representations were made to the governor of Virginia, touching the continued hostility of the western Indians. These representations were laid before congress. It was at the same time recommended, to assemble the officers of the district, and under their advice to form a system of defence, which should carefully avoid offensive operations. In consequence of this representation, the secretary of war ordered detachments of the troops of the United States to be so stationed, as to be able to protect the frontiers. At the same time the militia of Kentucky was directed, to hold itself in readiness to co-operate with any expeditions, which they might make into the Indian country. The commanders of the militia were also interdicted from any voluntary and un-

connected expeditions, or to march in any case against the Indians, until they should be so ordered by the executive of the nation.

The first newspaper printed in Kentucky, was issued August 28th, 1787. It was published on a demi sheet in Lexington, by Mr. John Bradford, and entitled the 'Kentucky Gazette.' No other paper was printed nearer than 500 miles. The political slander and heart-burnings, that had been hitherto transmitted by oral channels, were now concentrated in this gazette. The convention appointed by the legislature of Virginia, met at Danville, and voted that the separation between Virginia and Kentucky should take place, upon the proposed terms of the Virginia act. An address to congress was prepared, requesting the admission of the state into the Union, by the name of Kentucky. The authority of Virginia was to terminate, the last day of December, 1788. At the same time they provided for the meeting of another convention to frame a constitution of government for the state. They also requested, that one of the Virginia representatives to congress might be chosen from Kentucky. Virginia consented, and in December, Mr. Brown was chosen. This gentleman had acted a very conspicuous part in the affairs of this country for some time past. It was estimated, that Kentucky had doubled her population within the last three years.

In February, 1788, general Wilkinson returned from New Orleans. He encouraged the culture of tobacco, by raising, and purchasing it, and this may be considered, as the era of the origin of that cultivation in this country. In giving these important details of the civil interests of the country, we have a little preceded the order of Indian assaults. For some time past, many individual massacres had occurred. April 11th, 1787, a party of fourteen Indians attacked a family, living on Coope's run, in Bour-

bon county. As this attack may serve, as a general sample of the undescribed detail of horrors in most cases of similar assault, and as the circumstances possess a peculiar and intrinsic interest, we will give them in detail. The family consisted of the mother, two sons of mature age, a widowed daughter with an infant in her arms, two grown daughters, and a daughter of ten years. They occupied a double cabin. In one division were the two grown daughters and the smaller girl. In the other, the remainder of the family. At evening twilight, a knocking was heard at the door of the latter, asking in good English, and the customary phrase of the country, 'who keeps house?' As the sons were opening the door, the mother forbade, affirming, that there were Indians there. The young men sprang to their guns. The Indians, being refused admittance, made an effort at the opposite door. They beat open the door of that room with a rail. They endeavored to take the three girls prisoners. The little girl escaped, and might have evaded danger in the darkness and the woods. But the forlorn child ran towards the other door, and cried for help. The brothers wished to fly to her relief, but the mother forbade her door to be opened. The merciless tomahawk soon hushed the cries of the distracted girl by murdering her. While a part of the Indians were murdering this child, and confining the other girl, that was made prisoner, the third defended herself with a knife, which she was using at her loom, at the moment of attack. The heroism of this girl was unavailing. She killed one Indian, and was herself killed by another. The Indians in possession of one half the house, fired it. The persons, confined in the other part of the cabin, had now to choose between exposure to the flames, spreading towards them, or the tomahawks of the savages. The latter stationed themselves in the dark angles of the fence, while

the bright glare of the flames would expose, as a clear mark, every person, who should escape. One son took charge of his aged and infirm mother; and the other of his widowed sister and her infant. The brothers separated with their charge, endeavoring to spring over the fence at different points. The mother was shot dead in attempting to cross. The other brother was killed, gallantly defending his sister. The widowed sister, her infant and one of the brothers escaped the massacre. These persons alarmed the settlement. Thirty men, commanded by colonel John Edwards, arrived next day to witness the horrid spectacle, presented by this scene of murder and ruin. Considerable snow had fallen, and it was easy to pursue the Indians by their trail. In the evening of that day, they came upon the expiring body of the young woman, apparently murdered but a few moments before their arrival. The Indians had been premonished of their pursuit, by the barking of a dog, that followed them. They overtook and killed two of the Indians, who had apparently staid behind as victims to secure the escape of the rest.

The brevity of our limits compels us to pretermit many interesting narratives of Indian assaults and Kentuckian retaliations. The Indians had manned a scow, in which they rowed out into the Ohio, and attacked passing boats. Many immigrants were slain in this way. The Federal Constitution was now in deliberation for the adoption of the several states. A full measure of the general excitement upon this subject was felt in Kentucky. In the first vote, taken upon the subject in Kentucky, the majority was overwhelming against it. July 28th, 1788, the convention, elected to frame a constitution for Kentucky, convened at Danville. While this convention was in session, it was informed, that the general congress had referred the question of the admission of Kentucky into the Union to the

congress, that was to sit under the new confederation. The warmth of political excitement was increased by this measure; and there were not a few, who advocated taking the matter of separation into their own hands. The series of conventions seemed to be interminable, and they will so seem to the reader. Another was appointed to assemble, in November of this year, for the purpose of providing for the present emergencies. The Kentucky gazette teemed with essays, for, and against the different measures proposed; and it could not be objected to them, that the style and manner was too lukewarm and tame.

The famous Spanish plot, of which we have spoken, both in the history of Tennessee and Louisiana, was beginning to develope in Kentucky. At the appointed convention, the interests of this party made a decided element in its formation. General Wilkinson was at the head of it, and was for declaring Kentucky independent. He insinuated in the convention, that she could easier obtain the inestimable privilege of navigating the Mississippi, by a separate treaty with Spain, than through the intervention of congress. But, notwithstanding the various and sustained efforts of this party to forestal public opinion, a clear preponderance was manifest in the convention for a legal separation from Virginia. The Spanish party retained influence from the circumstance, that the leading members held important offices in the country. Public opinion compelled them to act with silence and caution. The new county of Mason was established at this time. In January, 1789, a treaty was made between the United States and most of the northern tribes of Indians.

In July, 1789, a new convention met. The terms of separation proposed by Virginia at this time, were something different from the former ones, and not equally acceptable to the members. It began to be rumored in Ken-

they, that attempts were making to create a British party there. In the course of the summer, the southern Indians committed several murders. The county lieutenants were informed by the governor of Virginia, that it was unnecessary, that they should take any separate measures of defence, as the general government had stationed a force on the Ohio for that purpose. The members of the convention ordered the country to be districted into precincts, and a census of the inhabitants to be taken. A resolution was passed against the importation and use of foreign goods, especially those of a finer quality. The county lieutenants were commanded, now that the general government had assumed the defence of the country, to discharge their scouts and rangers. A committee of the convention, also drew up a letter, and transmitted it to the governor of Virginia, remonstrating against the terms of defence, prescribed by the general government. It stated, that they were thus interdicted from the necessary means of resistance against the Indians, who were continually in the habit of committing murders, that they were denied the means of punishing.

The legislature of Virginia had expunged the objectionable terms from the act of separation, and adopted the act as it was originally. Another convention assembled, July, 1790, to deliberate upon the acceptance of that act. Annexed to this act was a proviso by Virginia, that congress should release them, previous to the November of that year, from her federal obligations. The county of Woodford was erected in the same session. The sixth part of the fees of the surveyors' throughout the district, which had formerly been a perquisite of the college of William and Mary in Virginia, was now transferred to Transylvania university, which had been established, soon after the settlement of Lexington. Its first endowment was 8,000

acres of land. In addition to the grant of surveyors' fees, it was now invested with the privilege of examining, and qualifying surveyors, which qualification was declared necessary to the validity of their office. The first and greatest benefactor of this institution, was colonel Todd, who fell at the bloody affair of the Blue licks.

In the opening of the spring, 1790, a number of murders were committed by the Indians on the Ohio, and along the frontier. The people in the interior aroused, as usual, and marched a considerable force to the Scioto. But the Indian towns were found deserted. The general government, through its organ, requested the county lieutenants to call out the scouts and rangers, more effectually to protect the frontiers. In May, as a number of people were returning from Divine service, on Beargrass, the Indians fired upon them, killed a man, and took a woman prisoner. They were closely pursued, and murdered their prisoner, and escaped the pursuit. The convention, in its session, acceded to the terms of separation, proposed by Virginia, and declared that after June 1st, 1792, Kentucky was an independent state. A memorial was drawn by colonel Marshall, to congress, requesting the admission of Kentucky into the Union of the states. Another convention was appointed to meet, in April, 1792.

We have related, in another place, the unfortunate and bloody campaign of general Harmar. It is only necessary to add here, that Kentucky furnished more than 1,000 volunteers to this expedition, under the command of colonel Hardin. Kentucky suffered a severe loss of her brave citizens, and manifested great dissatisfaction with the conduct of the campaign. General Harmar and colonel Hardin were tried by a court martial, and honorably acquitted. The last boat, bringing immigrants to the country, that was known to be attacked by the Indians, on the Ohio,

was in the spring of 1791. On board of it was captain William Hubbell, from Vermont. The whole number of persons on board, including women and children, amounted to twenty. The people in the boat had observed traces of Indian hostility, and were sufficiently forewarned of their danger. They passed other boats, and endeavored ineffectually to engage them to defence; and to make a common cause. They descended the river alone, and were first ineffectually enticed by Indian artifice, to go on shore; and by the voice of a person, who requested the boat to lie to, that he might come on board. Finding this stratagem unavailing, the Indians attacked the boat in three canoes filled with Indians. Never was a contest of this sort maintained with more desperate bravery. The enemy attempted to board them. All sorts of weapons were used in the defence. Captain Hubbell, having lost the cock of his gun, by an Indian fire, and being severely wounded in two places, discharged his mutilated gun by firing it with a brand. After a long and desperate conflict, in which all capable of defence, but four, were wounded, the Indians paddled off their canoes, to attack one of the boats left behind. They were more successful in this attack. The people yielded it without opposition, and the captain and a boy of that boat were killed. The women on board were made prisoners, and with them, as a screen, the canoes rowed back, to renew the attack upon Hubbell's boat. It was a hard necessity, in firing upon the savages, to be obliged to fire upon women of their own people. But captain Hubbell remarked, that if these women escaped their fire, it was, probably, only to suffer a more horrid death. He therefore determined, to keep up the fire even on this painful condition. The savages were beaten off a second time. In the course of the action, the boat had drifted near shore, where four or five hundred

savages were collected. All the party could do was to avoid exposure, as much as possible, and wait until the boat should float past the Indian fire. One of the people seeing, as the boat drifted by, a fine shot at an Indian, could not refrain from his chance. He raised his head to take aim. He was instantly shot dead. When the boat had drifted beyond the reach of the Indians, two only of the nine fighting men on board, were found unhurt. Two were killed, and one mortally wounded. A small boy then requested the people, to take out a ball, that had lodged in the skin of his forehead. When this ball was extracted, the boy requested them to take out a piece of bone, that had been fractured from his elbow by another shot.—When asked by his mother, why he had uttered no complaint, during the action, he coolly replied, ‘the captain ordered us to make no noise.’

The defeat of general Harmar put the people of Kentucky upon new measures of defence. They established seventeen posts of defence at the most exposed points on the frontier. The highest number of men, placed in any of them, was twenty, and the lowest five. The 4th of February, 1792, the vote passed in congress, to admit Kentucky into the Union. The people were so exasperated with the issue of Harmar’s campaign, and the continued Indian hostilities, that they were intently looking for the means of retaliation within themselves. General Scott, a distinguished citizen and officer, consented to head a body of volunteers for that purpose. We have related the issue of his campaign in another place. The number of volunteers was between eight and nine hundred. They penetrated the Indian country, and destroyed two towns. They killed some of the savages, and made some prisoners. They returned without any loss.

In July of this year, general Wilkinson announced, that if he could obtain 500 volunteers, he was ready to head an expedition into the country of the northern Indians. The number was soon obtained. They marched, destroyed the village of *Aguille*, and returned. It had come to be a received opinion, that mounted riflemen constituted the most efficient force for an Indian campaign. Not discouraged by the defeat of general Harmar, the general government was determined to renew measures, to quell the rising hostility of the northern Indians, and ordered the assembling of an army under general St. Clair. Of his troops, Kentucky was to furnish 1,000 men, commanded by colonel Oldham. We have related the issue of this disastrous campaign in another place. In the spring of 1792, a paper mill was established near Georgetown. Many individual murders were committed about this time by the Indians.

In April, 1792, the convention assembled to frame a constitution for the new state. Isaac Shelby was declared the first governor, and all the officers, required by the constitution, were duly elected, and installed. Commissioners, designated for the purpose, selected Frankfort, as the permanent seat of government. Three new counties, to wit: Washington, Scott and Shelby were created. The compensation, which this assembly voted themselves, and the preceding convention, will serve to convey some idea of the simplicity of the times. The president of the convention was allowed twenty dollars for the session; each member twelve; the clerk 50; the door keeper and the sergeant at arms twelve; and the members of the assembly one dollar a day.

Improvements were steadily advancing in the new state; but the savages did not in consequence, intermit their aggressions. Colonel Hardin had been sent on a mission, to

make peace with the Indians north-west of the Ohio.— While on this embassy, it was ascertained, that he was murdered by them. His is a distinguished name in the history of Kentucky. He commenced his career in Virginia under lord Duamore, and afterwards in the war of the revolution, and in the constant wars of the savages, he was almost continually in service. His death was deeply regretted by those, who contemplated him, either in his public or private character. The government, in commemoration of his services, ordered his orphan children to be educated at the public expense. Causes of excitement began to thicken, touching the land claims. Two other counties, Hardin and Green were created, in 1793. The interior of the country exhibited the spectacle of a populous, peaceful and improving settlement; but the frontiers were constantly harrassed by the savages. That the savages sometimes have freaks of good nature, is manifest from the anecdote related of their capturing, and carrying off a boy. After they had carried him as far as the Ohio, they set him at liberty unhurt, and gave him a knife, tomahawk and pipe, that he might find his own subsistence, and solace; no trifling donations these, for Indians to make.

The commissioners, appointed to make peace with the Indians, announced, that they refused to make peace. It was determined to strike a blow, that should quell this fierce and hostile spirit, and make them understand the value of being on terms of peace with us. Another call was made for militia from Kentucky by the general government. A thousand mounted volunteers were raised, and the command given to general Scott. With this force he joined general Wayne, then stationed at Legion hill, of whose fortunate campaign we have spoken in another place.

It is out of our plan, to enter into the details of feuds and party spirit, which about this time began to spring up and

thicken in this new state. It is well known, that party spirit at this time ran high in every part of the United States. The people of the new region were full fed, as free as the winds, and could not be expected, not to have something of the same asperity of party feeling, along with the rest. It is well remembered, that at this time Genet, the French minister, attempted to get up an armament among the people of Kentucky, to invade the Spanish settlements on the Mississippi. The president, having been informed of it, transmitted to the governor of Kentucky, orders to watch, and check the progress of this armament. Meanwhile, inflammatory addresses were spread among the people of Kentucky, to fan the excitement; and to form an armament to descend the Mississippi against New Orleans.

In November, governor Shelby received another letter from the secretary of state, making renewed enquiries, touching the existence and progress of the intrigues of Genet. This letter stated, that it was known, that a number of Frenchmen had left Philadelphia for the western country, it was supposed, to aid in carrying the plans of Genet into effect. Authority was given to the governor, to apprehend the designated Frenchmen, if he should deem it necessary. At the same time he received assurances from the officers, commanding posts on the frontiers, that they were ready to yield him all the requisite aid to effect this purpose. Two thousand soldiers in Kentucky, under the command of general Clark, were already pledged to this expedition. The soldiers were seduced to join themselves to the incipient project by the prospect of sharing conquered lands, in addition to their pay.

The governor, in his reply to the secretary of state, admitted, that there existed the project of such an expedition, that the Frenchmen in question openly avowed their pur-

pose; but as they had not overtly acted upon it, he was doubtful, if he had a legal right to apprehend them, on account of arming themselves with a view to leave the country; that as a citizen, and as a man, he should feel unpleasantly at the thought of punishing his fellow citizens on suppositions; and merely to quiet the apprehensions of the Spanish minister of that king, who was withholding from the western country an important right expressly stipulated to them; but that when the general government should point out to him explicitly, what he was to perform, as governor, he should scrupulously fulfil it.

In March, 1794, president Washington issued his proclamation to the western people, warning them not to participate in this intrigue. The authority of such a state paper operated powerfully to check the rising spirit. General Wayne at this time was ordered to establish a military post at Massac, on the Ohio. In the progress of the French revolution, Genet was recalled, and an end was thus put to this intrigue. The whiskey insurrection was at this time in operation in the western counties of Pennsylvania. Notwithstanding, that the tax had a strong bearing upon the feelings of the ardent people in this region, the expressions of hostility to the tax were limited to the ordinary waggery of disfiguring the horse, ridden by the collector.

In the autumn of 1794, after the severe defeat, which they experienced from general Wayne, the Indians began to manifest dispositions of a sincere desire for peace. In the annals of Kentucky at this time, among the conspicuous partizan names, we find that of colonel Whitley, a man in many respects, the counter-part of colonel Boone. He headed many volunteer expeditions against the Indians, and was distinguished in them for coolness, judgment, intrepidity and humanity. Such was his popularity, that he

was elected colonel by a body of soldiers, whose acting colonel voluntarily resigned, to give place to him. He commanded an expedition of 600 mounted men against the Cherokees. In this expedition, it is reported, that he carried a mounted swivel before him on horseback; giving the first and probably the last example of artillery thus mounted. On this expedition the Indians were severely defeated, with the loss of fifty men.

An amusing anecdote is related of a meeting, which he had with some of those Indians afterwards, to recover negroes, which they had taken from him. They refused to give them up, alleging that he must bring witnesses according to the laws of his country, to prove his property. The colonel replied, that if he brought any witnesses, he should bring a thousand men, each with his gun to swear by! The Indian negotiator uttered the usual Indian interjection, exclaiming, too many! too many!! After menacing his life, the Indians finally gave up his negroes.

In April, 1795, the president of the United States proclaimed, that a treaty had been ratified with the northern Indians. But Kentucky continued to suffer severely from the southern Indians, who still kept up their hostilities. We have already adverted to the influence, and the alternate prevalence of French and Spanish parties in this region, in the history of Tennessee. Spanish gold found its way also to Kentucky. The erection of three new counties, Green, Franklin and Campbell, may be mentioned in this place.

This year, 1795, the state line between Virginia and Kentucky was run. The legislature, also, passed laws, disposing of the unappropriated lands in the state. The system of laws, afterwards so famous, under the name of relief laws, began thus early to be applied in relation to land claims. The revenue and expenditure of the state

had hitherto balanced, on an average. In 1796, James Garrard, Esq., was chosen governor of the state. Six new counties were erected. A great number of legislative acts were passed, most of them purporting to be emendations of existing acts. In a country so new, and growing, and where so many roads, bridges, and ferries were called for, many of the acts of course were of a local nature.

We have mentioned in the history of Tennessee, the final extinction of that source of discord to the West, the question of the right to the navigation of the Mississippi, and the adjustment of the Spanish lines, by the definitive settlement between our government and that of Spain, in the arrangement made by Andrew Ellicott. The amendment of the penal laws of Kentucky at this period, marks the increasing light and humanity of the age. No crimes were punished with death, except murder in the first degree. The forms, requisite to the solemnization of marriage, had hitherto been lax. More solemnity and strictness were now required. Bethel academy was instituted, and a donation of 6,000 acres of land was voted to each of the following institutions: the academies of Kentucky, Franklin, Salem, and Bethel, and the same amount to the Lexington and Jefferson seminaries. In 1799, eleven new counties were created. The Kentucky and Lexington literary institutions were united, and the united institution was called Transylvania university, of which Lexington was made the permanent seat. The increasing desire for literature is strongly manifested by the creation of twenty other academies at this time, to each of which 6,000 acres of land were given.

A convention had been convoked to revise the constitution. It met, in 1799, at Frankfort. The revised constitution differed, in many respects from the former one. In

most of its provisions, it has served, as a model to the constitutions of the other western states, which have been subsequently formed. New counties were continually forming.

Among the important incidents of the year 1800, in this state, we may mention a meeting of the people in Bourbon county, to devise means of causing money to circulate in the country. The purport of the resolves agreed upon was to encourage home manufactures, the raising of sheep, the cultivation of hemp, flax and cotton, and to abstain from the use of foreign manufactures. The census of 1800, gives the state 220,959 souls. James Garrard, Esq., was re-elected first governor under the new constitution. The first library company, incorporated in this state, was at Lancaster, in the year 1804. Much debate took place at this period with regard to the banking system. One plan was proposed, and laid aside, only to make room for another, which shared the same fate. The matter was finally settled by the establishment of the state bank with a capital of 3,000,000 dollars. In the year 1806, judge Sebastian of this state was legally tried, and found guilty of having received, while in the exercise of his office, under the government of the United States, an annual pension of 2,000 dollars from the Spanish government. In the course of this examination, much warmth of feeling was naturally created. The political writings of the day, evinced strong talent as well as zeal. The annals of Kentucky record, also, as one of the acts of this year, the well known trial of Aaron Burr. In 1808, general Scott was chosen governor. The census of 1810, gives the number of inhabitants at 407,057.

The order of events that immediately preceded the late war has already been given, in our brief general abstract of that portion of the history of the West. The history of

Kentucky, subsequent to that war, approaches too nearly to our own times to find a place in these annals. It is only necessary to glance at its more prominent facts. It has been a period of profound peace. All danger of the renewal of Indian hostilities has forever passed away, and the state has been left to pursue its own domestic policy without any interruption. It experienced its full share of the mercantile and pecuniary embarrassments of the western country, in consequence of the disappearance of specie, at the same time that lands sunk in value, spurious bank paper failed in the hands of the holders, and the country was deluged with foreign goods. Such a state of things succeeded the late war. The expedients of relief laws, and curing the evils of spurious paper by the emission of more of the same kind, were experienced in Kentucky, where we should least have expected to see them, after ample trial had tested their inutility, in most of the other western states. Warm and bitter party altercations have disfigured the annals of Kentucky from the beginning. A variety of local causes of feuds and clan-ship have always existed here. The 'old and new court parties' have pursued their animosities with the ancient bitterness of the factions of the 'white and red roses.' This state has always been prolific in the finest mental and physical developement of the human character. It has always had an ample share of intelligent young men of genius and talent. It has given birth to one of the most distinguished statesmen of our country, or of any country. It can not but eventually feel the obligations imposed upon it, to manifest its possession of such men and such talents, by desisting from the petty struggles and broils of party and faction, and acting with a moderation, calmness, and dignity befitting its character.

OHIO.

LENGTH, 210 miles. Mean breadth, 200 miles, containing 40,000 square miles, and 25,000,000 acres. Between 38° 30' and 41° 19' N. latitude; and between 3° 31' and 7° 41' West from Washington. Bounded on the North by the territory of Michigan, and lake Erie; East by Pennsylvania, South-east by Virginia, from which it is separated by the Ohio; South by the Ohio, which separates it from Virginia and Kentucky; and West by Indiana.

Face of the country. There is, probably, nowhere in the world a body of land, of the same extent, with this state, of which a greater proportion is susceptible of cultivation. Though its southern line is situated not very far from the Alleghany mountains, it may be considered a great body of table land, sloping in one direction towards the Ohio, and in the other towards lake Erie. The northern belt of the state has great tracts of wet and marshy land. They are, however, of an excellent soil, and in positions, that render them easy to be drained. They are heavily covered with forests, and when cleared, and drained, will not make the least valuable parts of the state. There are extensive bodies of lands heavily timbered in a state of nature, which are as level as prairies. Perhaps the most fertile part of the state is between the two Miamies. On the upper courses of the Miamies, Muskingum and Scioto, are rich and extensive prairies, divided, as elsewhere, into wet and dry prairies, of which the latter only

are at present susceptible of cultivation. The forest trees are the same in this state, as in Kentucky and Indiana, except, that the peccan tree, which is common on the waters of the Wabash, is not often found here. The forests are heavily timbered, but in the richest soils, the trees are rather distinguishable for their straightness, than for their size. A considerable part of the eastern and south-eastern parts of the state are hilly; in some places rising into fine cultivable swells; and in other places into hills, too broken and precipitous to admit of cultivation. The most marshy parts of the state are found on the table lands, that are the highest lands in the state. But nine-tenths of the surface are susceptible of high cultivation, and are already, or are rapidly becoming a thickly settled country of moderate sized freeholds.—One remark may convey a general idea of the forest. It is, as in Indiana and Illinois, composed almost entirely of deciduous trees, with few evergreens, or terebinthine trees, if we except some few cypress trees. On its whole wide surface, there is scarcely any land so hilly, sterile, or marshy, as, with moderate labor, may not be subdued, drained, and cultivated. The whole region seems to have invited a hardy and numerous body of freeholders to select themselves moderate, and nearly equal sized farms, and to dot, and intersperse them over its surface. And in respect to the smallness of the farms, the number and equality of them, and the compactness of its population not confined, as is the case farther west, to the water courses, but diffused over the whole state, it compares very accurately with New England.

To an eye, however, that could contemplate the whole region, from an elevated point, it would even yet exhibit a great proportion of unbroken forest, only here and there chequered with farms. Yet in the county towns, and better settled districts, any spectacle, that collects the multi-

tude, a training, an ordination, an election, or the commencement of any great public work, causes a rush from the woods and the forests, which, like the tenanted trees of the poets in the olden time, seem to have given birth to crowds of men, women and children, pouring towards the point of attraction. There are vast tracts of country in this state, that are actually alluvial, and in fact the greater part of the country has an alluvial aspect, as though it was not long, since it had emerged from waters.

It has been asserted, and commonly believed, that springs dry up, and fail, as the country becomes settled. But a very intelligent gentleman, quoted by Mr. Kilbourn in his gazetteer, asserts the contrary. We quote his remarks; and the year referred to, is 1818.

‘One circumstance has attracted the attention of the first settlers of this county; that is, our streams improve considerably, as the country is settled: One fact I will here state. Having been one of the first settlers myself, I have seen Todd’s fork several times, so dry that it did not run one drop, where I live. This was from ten to fifteen years ago. This season, one of the driest since the country was settled, a mill built upon it, has had water enough to grind, considerably, every day, through the whole season. The appearance of springs in small drains, &c. where none could be seen at first settling, is also remarkable.* As to the face of the country, it is generally level and rich. The portion that is so broken as to injure the cultivation, is so small as not to be worth mentioning. The south-west quarter is the poorest land in the country, and has the most marshy ground. The east end comes in next, for flat lands; although it has but a small proportion that is too wet for ploughing, and that is excellent meadow land. This county has

* The same phenomena have been remarked, by old residents, in various other parts of Ohio. See the article *Kinnikinnick*.

but little prairie on it. There are two prairies on Anderson's fork, containing, perhaps, 1,200 or 1,500 acres, altogether. This seems to be all the prairie worth mentioning. This country is generally very heavily timbered; among which timber are various kinds, such as white, black, red, and burr oak; white, blue, and black ash; poplar, yellow and white; black and white walnut; hickory; red and white elm; hackberry; buck-eye, &c. On the wet grounds, there is, also, maple. Nearly the whole county is supplied with sugar tree. The undergrowth is spicebush, dogwood, ironwood, hornbeam, black haw, pawpaw, thorn bushes, and some wild plumbs, &c. Unimproved land rates from two to eight dollars per acre, according to situation and quality; improved land, from five to twenty dollars, according to the improvement, situation, quality, &c.'

Agricultural productions. Every production common to the climate is raised here in great abundance. Without having the appearance of being as rich, as the lands in some parts of Illinois and Missouri, the soil, in this part of the Mississippi valley, is found by experiment to be remarkably productive. To be able to judge of the extent and power of vegetation here, one must reside in the state through the summer, and observe with what luxuriance and rapidity the vegetable creation is pushed on, how rapidly the vines, the grain and the fruits grow, and what a depth of verdure the forest assumes. Indian corn is here, as elsewhere in the West, the staple of the grains; and it is nowhere raised more easily, or in greater abundance. On rich alluvial soils 110 bushels, it is affirmed, have been produced from an acre; though fifty may be considered an average crop. The state generally has a fine soil for wheat. Rye, barley, oats, spelts, buckwheat, and all the grains are raised in great abundance and perfection. Melons, squashes, pumpkins, the pulses, garden vegetables,

roots both bulbous and tap rooted, as potatoes, onions, beets, carrots, parsnips, and generally garden and culinary vegetables are raised in great perfection. The soil being more stiff and clayey, and more calculated to retain moisture, than the soils farther to the west, this state has the best garden soil of any in the western country. We have no where seen in this region, very fine asparagus, but in the markets of this state. Fruits of all kinds are raised in the greatest profusion; and apples are as plenty in the cultivated parts of the state, as in any part of the Atlantic country. Cincinnati market is amply supplied with pears, peaches, plumbs, cherries, gooseberries, strawberries, and cultivated grapes. In a few years this state will take place of any in the Union, in the abundance and excellence of its fruits of all kinds. From the fulness and richness of the clusters of cultivated grapes, it is clear, that this ought to be a country of vineyards. The Germans have already made one or two establishments of that kind, it is affirmed, with entire success. Apricots, nectarines, and quinces, succeed; and this state is the appropriate empire of Pomona. Recently, tobacco has been added to the articles cultivated here. The quality and flavor are such as to warrant the expectation, that it will shortly be a principal article of export. Yellow tobacco, which bears a price so much higher, than any other kind, has been found to prosper remarkably. Hemp is an article of cultivation in some parts of the state. Agricultural improvement, however, proceeds with a very slow pace. The people, generally, are not at all given to experiment; and continue to farm in the old and beaten routine. No part of the western country calls more imperiously for agricultural improvement; for this state begins to be thickly settled, and naturally to invite efforts to improve the cultivation. Intelligent and patriotic men are making great ex-

ertions to introduce the cultivation of the vine, and of the mulberry; that wine and silk may be added to the articles of production. These states that are so far from market, and whose bulky articles are so expensive in transportation to market, ought to use every exertion, to introduce a cultivation, that would have more value in a smaller compass of its product. Besides trees and shrubs and vines, this state produces a great abundance of indigenous productions, that are useful in medicine. We may mention *actea racemosa*, squaw root, Virginia snake root, Indian turnip, ginseng, which is dug in considerable quantities, as an article of commerce, colombo, lobelia, valerian, blood root, or *sanguinaria-canadensis*, and various other herbaceous medicinal plants.

Rivers. Under this head we shall describe the noble and beautiful river, that gives name to the state. If the Mississippi has more grandeur, the Ohio has clearly more beauty. If the Mississippi rolls along its angry and sweeping waters with more majesty, the Ohio far exceeds it in its calm, unbroken course, which seldom endangers the boats on its bosom, except by mismanagement, or by storms. No river, in the world rolls, for the same distance, such an uniform, smooth and peaceful current. Its bluffs and bottoms have a singular configuration of amenity, or grandeur. Sometimes lofty bluffs, 300 feet in height, impend the river and cast their grand shadows into the transparent waters. On the other side are fine bottoms, generally above the overflow, and covered with beautiful forest trees, among which rises the venerable sycamore, the king of the forests; and throws its white arms over the other trees. Whoever has descended this noble river in spring, when its banks are full, and the beautiful red bud, and *cornus Florida*, deck the declivities of the bluffs, and are seen at intervals in the bottoms; or in the autumn, when

the leaves are all turning yellow, will readily allow the appropriateness of the French name 'la belle riviere.' This river is formed by the junction of the Alleghany and Monongahela at Pittsburg. The highest sources of the Alleghany river, are in Potter county, Pennsylvania, twelve miles to the eastward of Coudersport, where they interlock with the head waters of Genesee river, and with the east and west branches of the Susquehannah. From Coudersport, this river holds a north-westwardly course for about twenty miles, during which it is augmented by several streams, and then enters the state of New York. About three miles above the New York line, it receives Orway creek, a considerable stream from the east, and five miles farther it receives Oil creek from the north; and then passes the settlement of Hamilton. It now holds a west course for fifteen miles, and then receives the Tununguanta creek from the south. Here the river bends to the north, about seven miles, and receives the Great-valley creek from the north. It then bends to the south-west, and after a course of twenty-five miles, passes again into the state of Pennsylvania, and after a winding south-west course, receives the Connewongo, from the north, at the town of Warren. The river now holds a west course for seven miles, and receives the waters of Brokenstraw creek, from the west. It then bends south-west for thirty miles, and receives the Teonista, from the east.—Twenty miles farther west, it receives Oil creek from the north, and seven miles farther it receives the waters of French creek, from the north-west. By this stream it has a communication with lake Erie. The river now assumes a south-east course, and thirty miles farther receives the waters of Toby's creek, an important stream, which extends 100 miles into the interior of Pennsylvania. Retaining the same course, at thirty miles distance, it re-

ceives Red bank and Mahoning creeks. Passing Kittanning and Crooked creek, twenty-four miles farther, it receives the waters of the Kiskiminitas.

This river is formed by the junction of the Conemaugh and Loyalhanna rivers, which rise near the Alleghany mountains, 100 miles distant. Below this point, the Alleghany continues a south-west course, about thirty-five miles, and reaches Pittsburg, where it unites with the Monongahela. The former river, though it has not a volume apparently wider than the other, is by far the most important tributary of the Ohio. It has a very swift, sweeping and rapid current; and often a rocky bottom, whence huge rocks rise to the surface of the water.— When it is full in the spring, flat and keel boats descend it rapidly, and without danger. It has been navigated by steam boats; but is one of the most difficult currents to stem, which that kind of boats has yet attempted to vanquish.

Monongahela river, the other important branch of the Ohio, rises in Virginia, seventy miles north-west of Morgantown. Twelve miles north of Morgantown, it passes into Pennsylvania; and a few miles farther receives the waters of Cheat river from the east. Seventy miles farther it receives the waters of the Youghiogeny river, or as it is commonly called the Yough, the most important branch of the Monongahela, rising near the upper waters of the Potomac, separated only by a spur of the mountains. From the western declivity of these mountains, both this and the main river receive a great accession of mountain streams. The united stream has now become broad and majestic. It flows in a north-west course to Pittsburg, and where it unites with the Alleghany, is more than 400 yards wide. The Ohio at the junction is something more than 600 yards wide, and immediately assumes that broad, pla-

cid and beautiful character, which it maintains to its junction with the Mississippi. The Monongahela traverses a rich and well settled country, noted for its whiskey, flour, iron and manufactures. The banks are often bold and high bluffs, and in some places the country is hilly. In good stages of the water, it is boatable by large boats 100 miles from its mouth. There are few more rural, picturesque, and delightful tracts of country in the United States, than that on this river.

The Ohio, from its commencement, affords most delightful prospects. Rivers of romantic and beautiful character come in almost at equal distances, as lateral canals. Its bottoms are of extraordinary depth and fertility; generally high and dry, and for the most part healthy; while the configuration of the country on the banks has all that grandeur, or softness, or variety, still changing, and recurring in such combinations, as to destroy a monotonous effect. For thirty miles below Pittsburg, its course is north-west. It then slowly turns to the west south-west, and pursues that general direction 500 miles. Thence south-west 170 miles. Thence westward 280 miles. Thence south-west 170 miles, through that low and swampy country, in which it finds the Mississippi. Between Pittsburg and the mouth, the river is diversified with 100 considerable islands, besides a greater number of tow-heads, and sand bars, which in low stages of the water, greatly impede the navigation. Some of these islands are of exquisite beauty, and afford the most lovely situations for retired farms, that can be imagined. The passages between them, and the sand bars at their head are among the difficulties of the navigation of this river. The order of the entrance of the creeks and rivers, as we descend, is as follows; Chartier's creek, four miles below Pittsburg, from the south. Big beaver, thirty miles below, from the north. Little bea-

ver falls in, forty-two miles below, from the north. Mill creek forty-three from the south. Big yellow creek fifty-four miles from the north. Crookton's run sixty-two from the north. King's creek sixty-six from the south. Will's creek seventy-one from the north. Harman's creek seventy-two from the south. One mile below this creek is the large and flourishing town of Steubenville. Indian cross-creek seventy-five miles, north. Virginia cross-creek seventy-six miles south. Indian short creek eighty-seven miles. Virginia short-creek, opposite on the south.—Wheeling creek ninety-six miles, south. Just above this creek is the commercial and important town of Wheeling. M'Mahon's creek, south 160. Little grave creek, south 108. Big grave creek, north. Fish creek, south 123. Fishing creek, south 137. Stony creek, north 162. Little Muskingum, north 179. Muskingum, north 183. At the mouth of this river is the considerable town of Marietta. Little Kenhawa, south 197. Little Hockhocking, north 204. Big Hockhocking, north 210. Shade river, north 221. Little Sandy, south 227. Big Sandy, south 231. Great Kenhawa, south 283. On this large and important stream are the most extensive salt works in the western country. Little Guyandot, south 307. Big Guyandot, south 327. Great Sandy, south 341. Little Sandy, south 364. Little Scioto, north 380. Big Scioto, north 390. This is a very important river of Ohio. On its banks are extremely rich lands. The political metropolis, Columbus, is situated on it. A little above its mouth is the considerable village of Portsmouth. The great Erie canal is to enter the Ohio, near the mouth of this river. The former capital of Ohio, Chillicothe, is also on its banks. Turkey creek, north 395. Coneconeque, south 404.—Stout's run, north 418. Brush creek, south 421. Sycamore creek, south 424. Crooked creek, south 444. Lime

stone creek, south 452. Just below this creek is the large and important town of Maysville, one of the oldest and most accustomed landings on the Ohio. Eagle creek, north 462. Straight creek, north 468. Bracken creek, south 472. Bullskin creek, north 479. Bear creek, north 488. Big Indian creek, north 492. Muddy creek, north 503. Little Miami river, north 516. Crawfish creek, north 519. Deer creek, north 523. Licking river, south 524. This is an important river of Kentucky, entering the Ohio, between Newport and Covington, and opposite Cincinnati. Mill creek, north 526. Great Miami, north 551. Laughery's creek, north 562. Gun powder creek, south 575. Big bone lick creek, south 583. Kentucky river, south 627. Six miles above this, on the opposite shore, is Vevay, and the beautiful Swiss vineyards. Little Kentucky river, south 628. Beargrass creek, south 706. Just below this creek is the important and commercial town of Louisville, and the only considerable impediment in the navigation of the Ohio from its commencement to its mouth. This impediment is a ledge of rocks, extending across the Ohio, constituting a considerable extent of rapids, called the 'falls of Ohio.' A canal round these falls, on the Kentucky side of the river, a work of immense magnitude and utility, is now nearly completed. Salt river, south 730. Falling spring, south 751. Indian or Wyandott creek, north 775. Big Blue river, north 792. Hardin's creek, south 818. Anderson's river, north 851.—Blackford creek, south 864. Green river, south 925. This is an important river of Kentucky. Pigeon creek, north 935. Highland creek, south 993. Wabash, north 1,003. This is a large, beautiful, and important river of Indiana. Saline river, north 1,021. Not far above this creek, is Shawneetown, a considerable village of Illinois. Great quantities of salt are manufactured on this creek. Grand

Pierre creek, north 1,049. Cumberland river, south 1,071. This is a very important river of Tennessee and Kentucky. **Tennessee, south 1,084.** This is by far the largest, and most important tributary of the Ohio. It waters considerable extents of Alabama, Tennessee and Kentucky. **Cash river, north 1,126. Mouth of the Ohio 1,132.**

It should be observed, that the distances, as noted by the present steam boat navigators, make the whole distance from Pittsburg to the mouth, fall something short of 1,000 miles. It is true, the distances have seemed much shorter, since they have been measured by the rapid course of the steam boats. But, we apprehend, when measured by the convex side of the bends of the river, the former measurement will be found nearer the exact truth than the latter. We may add, too, that we have not included in the above enumeration more than half the number of breaks through the banks of the Ohio, by the entrance of creeks. We have mentioned, however, the greater number of those, that preserve running water through the summer. Of the above, the following are important rivers, and all navigable, in moderate or high stages of water, by steam boats for considerable distances, viz: Muskingum, Great Kenhawa, Big Sandy, Scioto, Great Miami, Kentucky, Green, Wabash, Cumberland and Tennessee. The three last are important in the order of their standing. The Ohio at Pittsburg is 600 yards wide. At Cincinnati, which may be considered its mean width, it is not much more. Below the Cumberland, its average width is 1,000 yards. Its valley is deep, and heavily timbered, and has no where the slightest indication of prairie. It varies from two to ten miles in width. It is bounded in its whole course by bluffs, sometimes towering sublimely from the shores of the river, and sometimes receding two or three miles. Beyond

the immediate verge of the bottom is a singular line of hills, more or less precipitous, stretching from five to ten miles from the banks. They are known on the Ohio by the familiar appellation of the 'Ohio hills.' Different estimates have been made of the rapidity of its current. This rapidity being continually varying, it would be difficult to assign any very exact calculation. It is found, according to the different stages of the water, to vary between one and three miles. In the lowest stages of water in the autumn, a floating substance that went on incessantly, would, probably, not advance a mile an hour. It is subject to extreme elevations and depressions. The average range between high and low water, may be considered about fifty feet. Its lowest stage is in September; and its highest in March. But it is subject to sudden and very considerable rises through the year. It has been known to rise twelve feet in a night. When these sudden elevations of the river take place, at the breaking up of the ice, a sweeping scene of desolation sometimes occurs; and boats, and every thing in its course are carried away by the accumulated power of the ice and the water. We remember to have seen nearly all the boats in the harbor of Cincinnati carried off in the breaking up of the ice, in the winter of 1815. Its average descent, in a mile, is not far from six inches. At Cincinnati, the surface of the river, at low water, is supposed to be 130 feet below the level of lake Erie; and 430 above that of the tide water of the Atlantic. Between Pittsburg and the mouth, it makes three and a half degrees of southing in latitude. The average time of the suspension of its navigation, by ice, is, perhaps, five weeks. One half of the remainder of the year, viz: between twenty-four and twenty-five weeks, on an average, it is navigable, by large steam boats, in its whole course. The other half it can be navigated easi-

ly, only by steam boats of a small draft of water; and these can not pass over the falls of the river at Louisville. When the canal, round those falls, shall have been completed, steam boats, of a small draft of water, can descend, at all times, from Pittsburg to the Mississippi. Such are now constructing; and this, together with the completion of the canal, will remove one of the obstructions to an inland passage from the south to the north; the difficulty of getting a passage down the Ohio in the autumn. Flat and keel boats descend the river at all seasons; but in periods of low water with frequent groundings on the sand bars, and the necessity of often unloading to get the boat off. It would be difficult to decide, when the Ohio has the most beautiful appearance, in the spring, when it rolls along between full banks, or in the autumn, when between the ripples it is calm and still, with broad and clean sand bars; or in the ripples, where its transparent waters glide rapidly over the pebbly bottom, showing every thing there, as through the transparency of air. The Ohio, and all its tributaries, can not have less than 5,000 miles of boatable waters; and when we take all the circumstances of the river into consideration, few rivers in the world can vie with it either in utility, or beauty.

The great Miami is, perhaps, the next largest and most interesting river of this state. It rises between 40° and 41°, N. latitude, and interlocks with the Massissiniway of the Wabash, and the St. Mary's and Au Glaize, branches of the Miami of the lakes and the Scioto. It flows in a strong, but generally smooth and unbroken current. It has a valley of uncommon width and fertility, though sometimes subject to inundation. From the west, it receives Loramie's creek, which enters it, 100 miles above its mouth; and Stillwater, which enters it fifty miles be-

low; and Whitewater, which enters it seven miles above its junction with the Ohio. Its principal eastern branch is Mad river, which rises in the northern part of Logan county, traversing that county, and Clark, and the north-western corner of Green county. Its general direction is south-west; and the country through which it runs, is singularly fertile and beautiful. The length of its course is something more than fifty miles; and it enters the Miami just above the town of Dayton. It receives its name from its furious and broken current. The chief branches of Mad river are East fork, and King's creek.

Little Miami rises in the south-west corner of Madison county, and in a south-west direction traverses Clark, Green, Warren and Hamilton counties; and joins the Ohio seven miles above Cincinnati. It is not of much importance as a navigable stream; but from the fertility of the lands on its borders, and from its numerous mill seats, it is a river of great utility. There are nearly fifty mills on it; some of them paper mills, and other mills of importance. Its principal branches are East branch, Shawnee, Obannon, Turtle, Todd's fork, Caesar's and Massie's creeks on the eastern side; and Goose and Beaver creek on the west. An hundred miles from its mouth, it has singular rapids, where the river in no great distance falls 200 feet. The stream is here compressed, in some instances, to ten yards in width. The country between the Great and Little Miami is generally finely watered, healthy, pleasant and fertile; and may be considered the garden of the state. Its commercial intercourse is with Cincinnati.

In advancing towards the east from the Little Miami, we cross Big Indian creek, White Oak, Straight, Eagle, Bullskin, Brush, and Turkey creeks. The Scioto is a very considerable river of the Ohio; and has its whole

course in this state. It rises in a morass, north of Logan county. Its general direction is south-east. Its whole course is little short of 200 miles. It enters the Ohio by a mouth 150 yards wide. It is navigable, in good stages of the water, 130 miles. Its principal branches are Whetstone, Big Walnut, Lower Walnut, and Salt creeks, from the east, and Paint, Deer, Darby, Mill and Baker's creeks, from the west. Not far above Columbus, on the bank, is an inexhaustible quarry of free stone, or marble of a beautiful grayish color. There are rich and beautiful prairies on this river; and its valley is uncommonly wide and fertile. When it was first settled, it proved extremely sickly. In the progress of cultivation, that character has passed away; and the Scioto country, as it is familiarly called, is now among the most fertile, eligible, and pleasant parts of the state. Columbus, the political capital of the state, and Chillicothe, which was until recently so, are on this river; and there are many pleasant villages, and much well settled country on it and its waters.

The country between the Scioto and the Muskingum is watered by the great Hockhocking and its waters. It enters the Ohio, 150 miles above the mouth of the Scioto. It is navigable for boats to Athens, forty miles from its mouth. It has a deep and still, but narrow channel.—Near its source, seven miles north of Lancaster, it has a romantic cascade of forty feet perpendicular. It has a number of mills erected on it. Its chief tributaries are Rush, Sunday, Monday, Margaret's and Federal creeks.

The Muskingum rises near the sources of the Cuyahoga, of lake Erie, in the southern part of Connecticut Reserve. Its course is remarkably sinuous; but its general direction is southwardly. It traverses Stark, Tuscarawas, Coshocton, Muskingum, Morgan, and Washington coun-

ties. It enters the Ohio at Marietta, by a mouth 250 yards wide. It is boatable, in good stages of the water, to Coshocton, 100 miles by the course of the river. Small crafts ascend it to a portage of one mile to the boatable waters of Cuyahoga of lake Erie. There are considerable falls in the river at Zanesville, which afford sites for many mill seats. It has been proposed to canal these falls. Some parts of the course of the Muskingum are through a hilly country. The principal branches are Licking, White woman's, Willis', Wolf, Coal, Olive Green, Meigs, Salt, Jonathan, Wakatomka, Stillwater, Sugar, Cone-ter, Nimishillen and Indian creeks. Above Coshocton, the river itself is generally called Tuscarawas. In the intervals of the precipitous country along this river, the lands are fine; and the country is remarkable for being healthy.

Several considerable creeks enter the Ohio, between the Muskingum and the Pennsylvania line, such as Pawpaw, Little Muskingum, Indian, Wheeling, Captina, Stony and Sunfish creeks. These are the principal rivers, that enter the Ohio and its waters. But the table lands of this state have a general inclination either to the Ohio, or to lake Erie; and a number of considerable rivers run from the northern belt of this table land, and enter lake Erie. The principal of these is the Maumee, or as it has been called the Maurice, or Miami of the lakes.

The Maumee rises in the north-eastern angle of the state of Indiana; and flows in a north-east direction, across the north-western borders of the state of Ohio into the western extremity of lake Erie. It is navigable thirty-three miles from its mouth; and the navigation is there obstructed by shoals and rapids. It is a broad, deep stream, with an average width from 150 to 200 yards. It is formed by the confluence of the St. Joseph's, St. Mary's, and the Great and Little An Glaize. This important river has

a course of more than 100 miles. Fort Meigs, a fortification of so much note in the late war, is on this river. It has a valuable fishery, and its banks, in the season of vegetation, are remarkable for the luxuriance of their verdure. The St. Joseph's of this river heads in Indiana, is a considerable stream, and is boatable fifty miles. The St. Mary's, another of its branches, has a long course of boat navigation. The Au Glaize is also a considerable stream, that passes through the Indian country, and falls into the Maumee at fort Winchester, fifty miles below fort Wayne. Touisaint river enters the lake, twenty miles east of the Maumee. It may rather be considered an arm of the lake, than a river. It rises in the prairie, has no perceptible current, and is choaked with wild rice, aquatic plants and grass. In summer it abounds with wild fowls, and otters, and muskrats are trapped in great numbers by the Indians on it. Portage is an inconsiderable river, heading not far from Urbana. Like most of the rivers, that rise in these level lands, and fall into the lake, it has very little current. It is 150 yards wide at its mouth.

The Sandusky rises in the western limits of Richland county. It runs in a general north-west direction, ninety or 100 miles, to the lake. It is more rapid, than the other lake streams; but yet affords good navigation. Its chief branches are Tyemochtee, Honey, and Wolf creeks. Between this river and the Scioto, there is a portage of only four miles. It has been proposed to canal this portage. There are fine bodies of land on the banks of this stream. Huron falls into the lake by a mouth fifty yards wide. Its comparative course is about thirty miles. Rocky river is a stream of considerable importance. The lands on its banks are fine, and it has a rich and thriving settlement on it.

Cuyahoga rises in the central parts of Geauga county. It passes through Portage and Cuyahoga counties; and enters the lake at Cleaveland. Its whole course is sixty miles, for the greater part of which distance it is boatable. Above where it is boatable, it has valuable mill seats. Cleaveland, which bids fair to become a place of importance, is at its mouth.

Chagrin, Grand, Ashtabula, and Coneaught are considerable streams, that rise near the lake, and run northwardly and fall into it. Ohio is the country of hills and vales, delightfully irrigated with springs, brooks, and rivers of every class and size. There are more than an hundred streams in this state, not here enumerated, which, for seven months in the year, carry a considerable mass of waters. A remark, which applies to the whole western country, applies, also, here, that a great number of considerable streams, during the winter months, disappear before the evaporating ardors of the summer's sun.

Minerals and Mineral Springs. In the eastern and north-eastern divisions of this state, on the Muskingum, Hockhocking and Scioto, mineral coal abounds. It is in the greatest abundance, and of the best quality. It so happens, that in the same regions are found the greatest bodies of iron ore. Nature seems thus to have furnished the industrious people of this state with every possible facility for the most important manufactures. Lime stone, marble, and free stone, in strata easy to quarry, near the surface, and admirably adapted to building, and public works, abound. The useful earths and fossils are in abundance. Specimens of gypsum are said to be procured from Sandusky bay. Salt springs are common. In some, the water contains almost as much salt, as that of the sea. The most important manufactures of this article are in Muskingum, Morgan, Jackson, and Gallia counties. Nearly

a half a million bushels are manufactured in the state. Those springs, whose waters are drunk, as medicinal, are most of them more or less impregnated with muriate of soda. The Yellow springs, near the falls of the Little Miami, are considerably frequented by invalids. The country, in which they are situated, is healthy and charmingly romantic; and, probably, contributes as much as the waters, to the restoration of the sick.

Climate. A remark, that has already been made of this valley in general, applies to this state with equal truth. Climate here remarkably corresponds to latitude. If there be other elements, that operate upon the result, they are elevation, and proximity to rivers and waters, or distance from them. The climate, for instance, along the immediate valley of the Ohio is more equable and temperate, than in the middle and table lands of the state; and the difference is greater, than can be attributed merely to the difference of latitude. The central parts of the state are in the same latitude with Philadelphia. The mean temperature of the year at Philadelphia was found to be 53°. In the same year the mean temperature of Ohio was 55°. As we recede from the Ohio, the temperature diminishes, as we remarked, in a greater ratio, than that of the latitude. The prevalent and warm winds are those, that blow from the gulf, and up the valley of the Mississippi. The cold breezes come charged with the cold of Canada and the lakes. In that part of the state, that slopes to the south, the snow neither falls deep, nor lies long. But in Connecticut Reserve, and in the parts of the state, that slope towards the lakes, they have deep and durable snows; and sleighing and sledding are pursued for a considerable length of time. It is a great inconvenience in this climate, that during the winter months the transitions, alternately from warm to cold, and the re-

vents, are frequent, and violent. Thaws and frosts are the result; and the soil, being deep and clayey, the travelling is very muddy and uncomfortable. The winters are sometimes considerably severe, and the Ohio has been crossed at Cincinnati for eight or nine weeks. Oftentimes the winters are mild, and can scarcely be said to be more than a prolongation of autumn and spring. The winter seldom commences in severity, until Christmas; its severity is generally mitigated early in February. Vegetation, which is after all the most certain and accurate thermometer, indicates a temperature of greater mildness and forwardness in the season, than in the corresponding latitudes, in the Atlantic. The heat of the summer, in the Ohio valley, is uniformly oppressive; but it does not commence early, nor continue late in the season. It is believed, that the heat of the summer abates as early here, in the autumn, as in the more northern latitudes in the Atlantic country. The autumns are almost uniformly temperate, dry, and beautiful; and nothing can exceed them for health and pleasantness. Nowhere in the world, is the grand autumnal painting of the forests, in the decay of vegetation, seen in more beauty, than in the beech forests of Ohio. The richness of the fading colors, and the effect of the mingling hues, baffles all description. On the whole, a great farming community like that of Ohio, could scarcely desire a better climate for themselves, their cattle and stock of all kinds; or one, in which a man can work abroad, with comfort, a greater number of days in the year.

Antiquities. We have space to add but little, to what we have said upon this subject, in our general remarks upon the valley of the Mississippi. The most remarkable mounds in this state are at Worthington, Granville, Athens, Marietta, Gallipolis, Paint creek, Circleville, and on the

Little Miami. The domestic utensils, the pottery, vases and trinkets of the inhabitants, who, probably, reared them, are found in and about the mounds. The instruments of their warfare are discovered, too; and give clear indications, that they, also, possessed the horrid art of shedding human blood. Most of the human bones, which are dug in great quantities from the mounds, moulder on exposure to the air. The skulls, in most instances remain, and great numbers are shown in the museums; and they evidence a surprising variety in the retreat of the facial angle of the skulls. It is affirmed, that marks of iron tools are found upon the wood, that is dug up from considerable depths below the surface of the prairies. A sword is preserved, as a curiosity, which is said to have been enclosed in the wood of the roots of a tree, which could not have been less than 500 years old. We have not seen this sword; but we have seen a diminutive iron horse shoe, which was dug up at a depth of twenty-five feet below the surface, in graduating the street near the mansion of judge Burnet of Cincinnati. It was smaller than the kind of shoe, required for the smallest kind of asses. A number of the nails were in it; and the erosion by rust was such, as might be expected to result from the oxidation of 500 years. Many of the mounds are composed of a different earth, from that which is found in their vicinity. It is the most inexplicable of all the mysterious circumstances, connected with these mounds, that the material of these immense structures, some of which would require the labor of a thousand men for some time in the erection, should have been brought from a distance. There is no conceivable ~~move~~ to us, why the earth, on which the mounds rest, ~~should~~ not have subserved all purposes, that we can imagine the builders to have had in view, as well as that from a distance. We know with what scrupulous care the Jews

throw a little of the earth of the holy land into the graves of their friends. Possibly this transfer of earth for the mounds, from a distance, may have reference to affecting remembrances, like those of the Jews. We have elsewhere described the most remarkable mound in Ohio, which is at Circleville. Engravings of its form may be seen in many books, that treat professedly upon such subjects.

Population. In our historical view of the state, we shall have occasion to speak of the origin and wonderful progress of this state. In 1790, the population was estimated at 3,000. In 1800, it was 45,365. In 1810, it was 230,760. In 1820, it was 581,434. In 1830, there is no doubt, but it will exceed a million. The population, in regard to its distribution, is exhibited in the following table:

Civil Divisions.

<i>Counties.</i>	<i>Whites.</i>	<i>Free blacks.</i>	<i>All others.</i>	<i>Total.</i>
Adams,	10,350	56	0	10,406
Ashtabula,	7,371	4	7	7,382
Athens,	6,312	26	0	6,338
Belmont,	20,102	227	0	20,329
Brown,	13,018	338	0	13,356
Butler,	21,588	158	0	21,746
Champaign,	8,330	149	0	8,479
Clark,	9,491	42	0	9,533
Clermont,	15,791	29	0	15,820
Clinton,	8,039	46	0	8,085
Columbiana,	21,873	160	0	22,033
Coshocton,	7,067	19	0	7,086
Cuyahoga,	6,274	54	0	6,328
Darke,	3,699	18	0	3,717
Delaware,	7,602	37	0	7,639
Fairfield,	16,611	22	0	16,633
Fayette,	6,291	25	0	6,316
Franklin,	10,040	132	120	10,292
Gallia,	6,957	141	0	7,098

<i>Counties.</i>	<i>Whites.</i>	<i>Free blacks.</i>	<i>All others.</i>	<i>Total.</i>
Geauga,	7,785	6	0	7,791
Greene,	10,468	53	8	10,529
Guernsey,	9,240	52	0	9,292
Hamilton,	21,922	200	0	22,122
City of Cincinnati, in Hamilton co. }	9,209	433	0	9,642
Harrison,	14,317	28	0	14,345
Highland,	12,137	171	0	12,308
Hocking,	2,130	0	0	2,130
Huron,	6,668	7	0	6,675
Jackson,	3,710	36	0	3,746
Jefferson,	18,314	217	0	18,531
Knox,	8,306	20	0	8,326
Lawrence,	3,476	23	0	3,499
Licking,	11,823	38	0	11,861
Logan,	3,108	78	0	3,181
Madison,	4,777	22	0	4,799
Medina,	3,068	14	0	3,082
Meigs,	4,477	3	0	4,480
Miami,	8,791	60	0	8,851
Monroe,	4,634	11	0	4,645
Montgomery,	15,926	73	0	15,999
Morgan,	5,282	15	0	5,297
Muskingum,	17,631	193	0	17,824
Perry,	8,411	18	0	8,429
Pickaway,	13,011	138	0	13,149
Pike,	4,131	122	0	4,253
Portage,	10,073	22	0	10,095
Preble,	10,205	32	0	10,237
Richland,	9,139	30	0	9,169
Ross,	20,117	502	0	20,619
Sandusky,	849	3	0	852
Scioto,	5,714	36	0	5,750
Shelby,	2,097	9	0	2,106
Starke,	12,380	26	0	12,406
Trumbull,	15,492	50	4	15,546
Tuscarawas,	8,324	4	0	8,328
Union,	1,988	8	0	1,996
Warren,	17,650	187	0	17,837
Washington,	10,326	99	0	10,425

<i>Counties.</i>	<i>Whites.</i>	<i>Free blacks.</i>	<i>All others.</i>	<i>Total.</i>
Wayne,	11,933	0	0	11,933
Wood,	732	1	0	733
	<hr/>	<hr/>	<hr/>	<hr/>
	570,572	4,723	139	581,434
	<hr/>	<hr/>	<hr/>	<hr/>

By this census it appears, that there were 130,460 men, over eighteen years, capable of bearing arms. At the same time 110,991 persons were engaged in agriculture; 18,956 in manufactures, and 1,459 in commerce, or merchandize. There were at that time 3,495 foreigners in the state, not naturalized. No colony in history has ever shown a greater natural increase in population. No country can show a greater number of young children, in proportion to the whole number of the inhabitants. Among the obvious causes of this great increase, may be mentioned the circumstance of their being no slavery allowed in Ohio. The climate is, unquestionably, healthy. The state is divided into moderately sized freeholds. Most of the people are engaged in the healthy and vigorous pursuits of agriculture. The soil yields, in the greatest profusion, all that is necessary for healthy and comfortable subsistence. Whatever be the cause, the multitudes of children, that are seen about the farm houses, in the country, and that fill the streets of the villages and towns, do not fail to be the remark of every passing traveller.

Religion. In our table of religious denominations, see appendix, we have given general views of the comparative numbers of the different religious denominations. There are numbers of all the known existing sects. But the presbyterians and the methodists are the prevalent denominations. The shakers and tunkers have establishments in this state. German Lutherans exist in considerable numbers. Most people are desirous of being thought to belong

to some religious denomination. It is affirmed by a gentleman, well known for his researches into the antiquities of this state, that there are a greater number of professors of religion, in proportion to the whole numbers of the people, than in any state in the Union. There are a vast number of religious societies; but there are not a great number, that have regularly established pastors. The custom of itinerating preaching, as a supply, is very prevalent in the whole state. The people are generally a quiet, orderly, peaceable, moral and industrious race. Suicide, excesses, murders in affray, and instances of deliberate and atrocious cruelty, are rare; and the general moral character of the people is highly respectable.

In a country so fresh, much taste for embellishment or improvement in the fine arts, can not be reasonably expected. From New England and New Jersey this state inherits a passion for sacred music; and societies for the promotion of this delightful science are common over all the state. A vast number of New England music masters here find annual employment in their vocation. There appears, also, to be a general taste for instrumental music; as is manifested in seeing in great numbers of the farm houses and cabins, rude harps and other home manufactured instruments of music. In passing the detached mansions of the Ohio farmers, in the winter evenings, we generally find the interior cheered with the sound of some kind of music. A taste for ornament, and those arts which embellish society and existence, is evidently increasing. On anniversaries, the people are much addicted to show, parade and splendor. There is a great fondness for a large and stately house. Gardening is studied in many places; and Cincinnati shows a number of gardens, that will vie with almost any in the United States.

Literature. Five chartered colleges exist in this state. The Ohio university at Athens, the Miami university at Oxford, the Cincinnati university, the Cincinnati college, the Worthington college; and we may add, the medical college of Ohio, established at Cincinnati, and the Kenyon Episcopal college recently established with ample funds and endowments in a remote part of the state. Some of these institutions are in respectable operation. Some of them possess libraries, and philosophical, and chemical apparatus, to a considerable extent. But it is questionable, if they are not all injured in public estimation, by the imposing names, which they take. There are a great number of incorporated academies, the number of which, as new ones are incorporated at every new session of the legislature, can not be exactly ascertained. Those, that are known at present, exist at Burton, New Lisbon, Steubenville, Cadiz, Union, Marietta, Gallipolis, Chillicothe and Dayton. It may naturally be inferred, that a people in a great measure patterned after the New England fashion, could not be destitute of a strong purpose to give their children a good common school education. There are a great number of schools kept up in different parts of the state. But the system of supporting primary schools, has hitherto been desultory and fluctuating. In its small freeholds, in its frequent villages, in the fondness of the people for municipal arrangements, in the general spirit of independence and equality, that prevails throughout this state, in the honest pride of wishing to have their children educated, the people are supposed much to resemble those of New England. Great efforts have been made to introduce her glorious institutions for the support of free schools. The people have hitherto failed to adopt this noble system, through alarm at the face of compulsion, that it wears. They seem to dread being compelled even to seek their

own good, and that of their children. The friends of this beneficent and noble system are still alert, and striving to diffuse its inestimable benefits to Ohio. A half mill on every dollar of the state taxes, is appropriated for the support of common schools.

Trade and Manufactures. This state, as we have already remarked, more populous, than any other in the West, and possessing in many respects manufacturing capabilities, has taken the lead of all the rest in manufactures. Cotton yarns and cloth and woollen goods, are, already manufactured to a considerable extent. Cincinnati contains a great mass of intelligent and enterprising manufacturers. Steubenville, Zanesville, Chillicothe, and many other of the young and rising towns are commencing manufactures with great spirit. In 1810, the manufactures of the state amounted to nearly two million of dollars. They must have more than doubled since that time. Some of the items were then as follow. Woollen, cotton, and linen cloth, 1,000,000. Leather, and articles of leather, 154,000. Iron, nails, and machinery, 224,000. Maple sugar, 302,000. At present, glass, paper, iron, and cabinet furniture are among the principal articles manufactured. Of trade, horses, cattle, swine, whiskey and flour, compose the principal domestic articles, sent abroad in exchange for foreign commodities. In 1810, 40,000 head of swine were driven from this state to Philadelphia, Baltimore, and the eastern markets. During the war, this state furnished ample supplies to the armies on the northern frontier. The northern and eastern countries send great quantities of produce to Montreal and New York, by the way of lake Erie. When the great Erie canal shall be completed, it is believed, that the greater part of the produce of the state will find its way to the Atlantic markets. Very considerable amounts of produce have

heretofore been sent to Missouri. The result of the enterprize of the industry of the mechanics finds its way over all the western country. But hitherto three-quarters of the produce of the state has been carried to the New Orleans market. Vast numbers of horses and cattle are driven over the mountains. The net amount of horses, thus sold, was estimated, in 1826, at 400,000 dollars. The principal manufactures, at present, are flour, distilled spirits, cotton and woollen goods, linseed, castor, and medicinal oils, salt, castings, iron, steam engines, cabinet furniture, &c. The whole amount of taxable property in the state, in 1825, was valued at 59,527,336 dollars.

Chief Towns. This is an article, so copious in the description of this state, that it will be difficult to do it justice, without going into an extent, which is foreign to the plan of this work.

Cincinnati is the chief town of this state, the emporium of the western country; and far larger than any other town in the Mississippi valley, except New Orleans. The next town to it, in point of numbers, is Pittsburg. Pittsburg and Louisville, in commercial importance, rank next to this place; but each with a considerable interval. It has not hitherto been considered abroad, as being peculiarly picturesque and beautiful, in its situation. But we have considered it as such. It is situated on a fine plateau, consisting of a first and second bottom. The eye easily traces all the extent of the bottom, in the centre of which this town is placed. A bold line of 'Ohio hills,' sweeps round the whole extent; being separated at the upper and lower extremity only by the river Ohio. These hills have a fine soil; and are wooded to their summits. Their outline of indentation, of swell, and retreat, give them, especially in the season of verdure, great beauty of form. Nothing can exceed the softness and richness of this verdure; and

from the summit of one of these hills, the town is seen in all its beauty. The eye, from that point, traces the regularity and conformation of its streets with entire precision. All, that is yet rough and unformed, resulting from the freshness of the city, and its yet embryo improvements, disappears, and the city, its numerous buildings, its neat gardens, its manufactories, throwing up black columns of steam, its boat yard, its passing mass of life, the Ohio winding between it and the handsome villages of Newport and Covington, on the opposite shore, the fine seats, that on that shore show themselves to so much advantage, the lofty meandering sweep of hills, that bounds the prospect, present a panorama of picturesque scenery, that we have not often seen surpassed.

The circumference of the plateau, in the centre of which this town stands, is said to be twelve miles in extent. On the west, it is bounded by the hills of Mill creek; on the north by the river hills; east by the hills of Deer creek. To the eye this valley is divided into equal sections by the Ohio. The section on the Kentucky side is subdivided by the river Licking, which separates between Newport and Covington. On the Kentucky side, the hills have much the same sweep and configuration, as on the Ohio side. Cincinnati shows to the best advantage from the summit of the Kentucky hills; and seen at certain times and under favorable aspects from this point of view, can not fail to fill the eye of the beholder with delight.

The Lexington newspaper is still seen, as a curiosity, in which the town lots of Cincinnati are advertised for sale. It was in the first paper printed in Kentucky. Judge Symmes was the original patentee. Robert Patterson, John Filson, it is believed the same, who was author of the history of Kentucky, and Matthias Denman, afterwards became sharers with him in the original plat of the

town. The first laying out of the town was in 1789. In 1808, the land around fort Washington, which belonged to the government, was sold in lots.

The town is built partly on the bottom, and partly on the hill. The ascent from the bottom to the hill was originally rough and precipitous. But wherever the plan of the corporation has been carried into effect, this ascent has been smoothed, and graduated, so as to be easy and pleasant, with a gentle angle of ascent. The upper part of the city is elevated from fifty to sixty feet above the lower part. Seven of the streets are sixty-six feet wide, and 396 feet apart. The cross streets, of the same width and distance, intersect them at right angles. The lots reserved for public buildings, are a fraction of a square between Main and Broadway streets, and an entire square between Fourth and Fifth streets. The buildings stretch over an irregular extent of ground, occupying a very large space, that is not yet filled up; though numerous buildings are rising upon it, in every direction. The central part of the town is very compact; and Main street would not discredit any town in the United States. Its public buildings are a court house, fifty-six by sixty feet, and 120 in height to the top of the dome; a public jail near the court house; three market houses, the one 300 feet in length, the other 200, and the third 150; the United States' bank, which has a front, including the wings, of sixty feet, two stories high, built of free stone in front, and presenting a very respectable appearance; the Medical college, fifty-four feet by thirty-six, and two stories high above the pediment. Besides its windows it has an octagonal sky light. The Hospital, or Lunatic Asylum is fifty-three feet in front, by forty-three in depth; three stories in height. It stands in a fine roomy lot, containing four acres. The Cincinnati college, formerly the Lancastrian seminary, has two pro-

jecting wings, and is eighty-eight feet in depth. The first presbyterian church is sixty-eight by eighty-five feet, surmounted with two cupolas. The Roman catholic cathedral, is a very handsome church, 110 feet by fifty. The episcopal church is a respectable brick building. Besides these, there is the second presbyterian church, the methodist stone church, the Wesleyan methodist church, the first baptist church, the Enon baptist church, the German Lutheran church, the New Jerusalem church, the Friends' church, the African church; and two or three other religious denominations occupy buildings, temporarily, as churches. The Cincinnati theatre is an indifferent looking building externally. It is 100 by forty feet; and has an Ionic portico. Beside these there are a number of splendid private mansions in this city.

This city is amply supplied with water from the Ohio by steam power. A chartered company has the management of this water; and they convey it to every family that chooses to have it, for a stipulated sum. The greater part of the families in the compact part of the city are already supplied with it.

There are four substantial fire engines, and as many fire companies under fine order and discipline. Five large brick cisterns are required to be kept constantly full of water. In cases of fire, these companies manœuvre with great promptitude, skill and decision.

Each day in the week is a market day. The meats, fowls, vegetables, flour, meal, and fruits are admirable, both for quality and abundance. Lines of market wagons a half a mile in length are seen in the streets. The fruits and vegetables are improving every year. It seems to be the general impression of strangers, that for abundance, cheapness and excellence of the articles supplied, no town of the size in the United States is superior to Cincinnati.

The following are among the prominent charitable societies of the city. The humane society for recovering drowned persons. It has a fine apparatus and consists of 300 members. The Miami bible society. The female auxiliary society. The female charitable missionary society. The female association for the benefit of Africans. The western navigation bible and tract society. The Union Sabbath school society. The colonization society. Three masonic lodges. The commercial hospital and lunatic asylum. The state has made liberal appropriations for this institution; and it is already an efficient charity for those objects of wretchedness, for whose comfort it was provided. The Kidd fund appropriated 100 dollars a year forever for the education of the poor children and youth of Cincinnati. At present the possession of the ground, from which this fund was raised, is in litigation. The Woodward free grammar school of Cincinnati is a munificent charity; and promises to be an efficient one. It is hoped, that in 1828, the avails of this fund will be sufficient for the gratuitous education of sixty of the poor children of the city.

The medical college received a charter in 1820. In 1825, the number of medical students was eighty-two. The Cincinnati college was chartered in 1819. The Lancasterian school in the same building, which was suspended for some years, is now resumed under its former instructor. The Cincinnati female academy, under the care of Dr. Locke, is a school of the first class of its kind. The Cincinnati female school under the care of Messrs. Pickett, has also a high reputation. The classical academy, under the care of Rev. C. B. M'Kee, and Dr. Slack's school, have extensive reputation. There are a great number of respectable boarding and town schools, in which a number of children, far beyond the ordinary proportion

for such a population are instructed. The Cincinnati reading room, is a respectable establishment of the kind. The Western museum is a noble institution, when the age of the city is taken into consideration. It is rich in the organic remains of the western country; in birds, fishes, reptiles and insects; in fossils and minerals; in botanical specimens, medals, coins, and tokens, in foreign and American antiquities; in panoramic views, wax figures and miscellaneous curiosities. The whole number of curiosities exceeds 10,000. Letton's museum is, also respectable, containing articles similar to the former, and is managed with great industry and enterprize by the proprietor, Mr. Letton. The number of curiosities is between two and three thousand. The Cincinnati library contains 1,300 volumes, and is becoming of great utility to the general literature of the city. The apprentices library contains 1,200 volumes, and is intended for the benefit of apprentices and mechanics; and is one of the most beneficent and noble institutions in the city. There are twelve newspapers and periodical works published in the city. Efforts are now making to establish an academy of the fine arts, under the care of Mr. Eckstein. It is to be hoped, the citizens of the city will patronize this honorable enterprize.

The government of the city is vested in a mayor and aldermen; and its municipal judicature is in the city court. The city tax, in 1826, was nearly 30,000 dollars. The appropriations in the same year were 20,000; and the net revenue of the city 23,000. Much of the expenditure has been for the construction of quays, and wharfs, paving, and graduating the streets, paving gutters, and setting up curbstones. These works of public utility are pursued with great energy, economy and skill. It is believed, that no place in the United States carries into effect, works of

this sort with more spirit and success. Cincinnati began to be settled in 1788. It began to be a village, in 1805. In 1810, the population was 2,300. In 1813, 4,000. In 1819, 10,283. In 1824, 12,016. In 1826, 16,230. Among these, there are twenty-eight clergymen, thirty-four attorneys, thirty-five physicians, 800 persons employed in mercantile pursuits, 500 in navigation, and 3,000 in manufactures. There are between thirty and forty considerable manufacturing establishments. Among which, the most important are the Cincinnati steam mill, the mill for sawing stone, which also contains four or five other manufacturing establishments under the same roof, and moved by the same power; the Phoenix foundry, the Franklin foundry, the Eagle foundry, Tift's steam engine establishment, Greene's steam engine establishment, Shield's engine finishing establishment, Goodloe's and Harkness' establishment, which is a cotton factory; the Aetna foundry, Kirk's steam engine and finishing establishment, Allen & Co's chemical laboratory, powder mill, Phoenix paper mill, the Cincinnati steam paper mill, the woollen factory, the sugar refinery, the white lead factory, Wells' type foundry, and printer's warehouse, three large boat yards for building steam boats, extensive hat manufactories, and cabinet furniture manufactories, ten printing establishments, from which issued, in 1826, nearly 200,000 books and pamphlets, besides newspapers and periodicals. The whole value of the manufactures, in all the departments of industry in this city, is estimated at 1,850,000 dollars.

Cincinnati is a place of extensive importation, for the supply of the extensive country, that depends upon it. There are a number of respectable mercantile firms, two of which import directly from Europe. It is expected, that it will soon become a port of entry. At present its commerce is as extensive, as the courses of steam and keel

boats; and it is increasing every year. Sixty steam boats have already been built here; burthen 11,225 tons. Some of the largest and most beautiful boats, that have appeared on the western waters, have recently been built here. Between the 5th and 12th of February, 1827, arrived in this port and departed from it, twenty-one steam boats, tonnage 4,117.

The imports of the city exceed the exports, from the circumstance, that no inconsiderable amount of the imports is brought here for re-exportation. Of course, the amount of imports, compared with the exports, does not go to show the balance of trade. The imports, in 1826, were 2,528,590 dollars. The exports in the same year were 1,063,560 dollars. Flour and pork are the principal items among the exports. The avails of the post office in 1826, were 8,162 dollars. In that year, 3,750 free letters were mailed in it, and twenty mails were received and sent off weekly. The public offices are, the United States' land office, United States' branch bank, Ohio insurance company, with a capital of 500,000 dollars, Cincinnati equitable insurance company; and the Protection insurance office, established in Hartford, Connecticut, with an agency, or branch in this city. Three other insurance companies, one in Connecticut and the other two in New York, have agencies here.

Cincinnati is in latitude 39° 6' 30" north, and in longitude 7° 24' 45" west from Washington; by the course of the river, 455 miles from Pittsburg and 504 from the Mississippi, 110 from Columbus, 200 from Sandusky, 120 from Indianapolis, 85 from Frankfort, 680 from Natchez, 270 from Nashville, 860 from New Orleans, 350 from St. Louis, 105 from Louisville, 518 from Baltimore, 850 from New York, by the way of the Erie and New York canal.

Columbus is the political metropolis of the state, and is very nearly the geographical centre of it. It is situated on the east bank of the Scioto river, in the centre of Franklin county. It occupies a beautiful slope, just below the confluence of Whetstone river, with the Scioto. It was a compact forest in 1812. It now contains nearly 1,500 inhabitants. It has a number of respectable schools and a classical seminary. There are the customary number of stores, a bank, three printing offices, a commodious brick market house, a state house, a building for the public offices, and a penitentiary. The state house is seventy-five by fifty feet. The top of the cupola is 106 feet high. Around it are railed walks, from which the whole town is visible, as on a map. It commands a delightful landscape, over a country charmingly variegated, as extensive as the eye can reach. The village of Franklinton, a mile to the west, and the winding Scioto, are comprehended in this view. The building that contains the public offices, is 100 by twenty-five feet. In a line with it and the state house is the handsome court house for the Federal court. These buildings are all on the public square, an area of ten acres, reserved for public use in the centre of the town. The penitentiary is in the south-west angle of the town, and is enclosed with a high stone wall. It is in N. latitude 39° 57' and 6° W. longitude, distant fifty-eight miles from Zanesville; 114 from Marietta; twenty-eight from Lancaster; forty-five from Chillicothe; ninety from the mouth of the Scioto; and 101 north-eastwardly from Cincinnati. The circumstance of its being the political capital, attracts to it a great number of respectable people; and the society is distinguished and polite. It is a memorable sample of a town, that has grown up from the woods, like the prophet's gourd, in a night. A stranger, in a polished circle in this town, enjoying all the luxuries and

comforts of a city, can hardly figure to himself, that the ground, on which he stands, was so recently covered with a thick forest.

Steubenville, the seat of justice for Jefferson county, is situated on the west bank of the Ohio. It was laid out with great regularity, in 1798. It is in the centre of a rich and populous country. The town was incorporated, in 1805, with city privileges. It contains three churches, a handsome market house, a woollen factory, a steam paper mill, a flour mill, and a cotton factory. A manufacturing spirit is increasing in this flourishing town, and new establishments are in progress and in contemplation. It has a printing office; two banks; twenty-seven mercantile stores; sixteen public inns; an air foundry, and other mechanical establishments. This town has had an uncommonly rapid growth, and is, probably, the next place in point of importance, to Cincinnati. In 1820, it contained 2,479 inhabitants, and now probably contains 3,000. It is distant thirty-eight miles south-west from Pittsburg; twenty-five north-east from St. Clairsville; 150 north-east from Columbus; N. latitude $40^{\circ} 25'$, W. longitude $3^{\circ} 40'$.

Zanesville is the seat of justice for Muskingum county, and is situated on the east bank of the Muskingum river, just below the falls of the river. On these falls are a number of manufacturing mills driven by water power, among which are several flouring and saw mills, an oil mill, a rolling mill, a nail machine, and wool factory. Two handsome bridges across the Muskingum connect the town with West Zanesville and Putnam, so as to identify them with the town. Taken altogether, the inhabitants, in 1820, were 3,000. They have much increased since. It contains a handsome court house, twenty-one mercantile stores, two glass factories, two printing offices, a presbyterian, baptist, catholic, and a methodist church,

and 317 dwelling houses, some of which make a show of splendor. Zanesville is beginning to manufacture largely in iron, and promises to become one of the largest manufacturing towns in Ohio. It is situated in N. latitude 40° W. longitude $5^{\circ} 2'$, eighty miles westerly from Wheeling in Virginia; sixty-one north-westerly from Marietta; seventy north-east from Chillicothe; and fifty-eight east from Columbus.

Chillicothe is the county town of Ross county, and is handsomely situated on a level alluvial plain on the west bank of the Scioto river, forty-five miles in a right line from its entrance into the Ohio. The town is bounded on the north by the Scioto, and on the south, at the distance of three-quarters of a mile, by Paint creek. The principal streets run parallel with the course of the Scioto. It is laid out with great regularity, the principal streets crossing each other at right angles. It was laid off, in 1796, and now contains nearly 3,000 inhabitants. It contains two printing offices, a bank, thirty mercantile stores, and two medical stores. It has also, four cotton spinning factories, a rope walk, an oil mill, a fulling mill, several saw mills, a paper mill, and a number of flouring mills, including one of steam power, either in the town, or in the immediate vicinity.

The presbyterians, methodists, and seceders, have each a church here. It has also, an academy, a court house, a jail and a stone market house. From the summit of a hill, rising abruptly on the south-west side of the town, is a most delightful view of the town and circumjacent country, interspersed alternately with woods and verdant lawns, through which the Scioto pursues his winding course to the Ohio. This town is in the centre of the beautiful and fertile Scioto country. The situation is favorable, and every way delightful; but yet it does not flourish, like other towns, appa-

rently less favorably situated. In the midst of this town, formerly stood one of the most interesting mounds of the cone shaped form. In levelling it for the purpose of building upon it, great quantities of human bones were found in it. Chillicothe is forty-five miles south of Columbus; seventy-five north-east from Maysville, in Kentucky; and ninety-three north-east from Cincinnati.— N. latitude 39° 20' W. longitude 8° 53'.

Marietta is the seat of justice for Washington county. It is beautifully situated, a little above the mouth of Muskingum river. It contains two churches, an academy, the public county buildings, two printing offices, a bank, twenty stores, about 160 houses, and the whole township exceeds 2,000 inhabitants. The people are noted for their industry and sobriety; and for the politeness and urbanity of their manners.

Ships were formerly built here; but from some cause, the business has been discontinued. The soil is exceedingly fertile around the town; and it has many advantages of position. But it has not flourished, like some other towns. One cause of this may be, that it has experienced, more than once, inundations of the river, in some of which the water has risen in the principal streets eight or ten feet. Great numbers of buildings, barns and cattle, were swept away. It has also experienced severe sickness. But all these disadvantages notwithstanding, its extraordinary fertility, and its natural advantages, will cause it to become a large and populous town. It was one of the first settled towns in the state. It was originally laid out by the Ohio company, in 1787. And in the following spring, it was settled by eight families. The first settlers were from New England. Among the founders of this establishment, was general Putnam, whose name and character are recorded in the history of this state. It is distant 215

miles from Washington, and ninety-three from Chillicothe; 166 from Cincinnati, and 109 south-eastwardly, from Columbus. N. latitude $39^{\circ} 25'$, W. longitude $4^{\circ} 28'$.

Lancaster is the seat of justice for Fairfield county, situated nearly in the centre of it, and is entirely an inland place. It is near the source of Hockhocking river, on the road from Zanesville to Chillicothe. It is intended to connect this town with the great Erie canal, by a lateral canal. It is a large, handsome, and well built village. A considerable number of its inhabitants are Germans. It contains more than 900 houses, and about 1,200 inhabitants. It has a number of public buildings, twelve stores, a church, a bank, and two printing offices, from each of which are issued two weekly papers, in the English and German languages. It is a place of great mechanical enterprise and industry; and when it shall be connected with the great canal, will undoubtedly become a place of considerable importance. It is central to a large and populous country. It is situated twenty-eight miles south of Columbus, and thirty-six south-westerly from Zanesville.

New Lisbon, the seat of justice for Columbiana, is situated on a branch of the Little Beaver, fourteen miles from the Ohio. It contains a court house, a jail, a bank, two churches of brick, six public houses, nine stores, and in the township of which it is the centre, 2,200 inhabitants. It has four merchant, and four saw mills; a paper mill, two woollen factories, a falling mill and carding machine. It is situated fifty-six miles north-westerly from Pittsburg; and 160 north-easterly from Columbus. N. latitude $40^{\circ} 49'$, W. longitude $3^{\circ} 52'$.

Gallipolis is the chief town of Gallia county. It has a court house, jail and an academy. It has eighty houses, and eight stores. It was originally settled by French immigrants. They had been deceived by speculators; and suf-

pered severely by bilious fevers, in becoming acclimated. Some left in discouragement, many died; and the number of the original French settlers is small.

St. Clairsville is an inland town, and is situated on elevated ground, surrounded by hilly, but fertile lands. It has a court house, jail, market house, a printing office, a bank, fifteen stores, and 800 inhabitants. It is on the great road from Wheeling to Cincinnati; and is distant eleven miles west from the former place.

Portsmouth is the chief town of Scioto county. It is situated on the eastern bank of the Scioto, just above its junction with the Ohio. A great amount of commission business for the Scioto country is done here; and the position, for internal commerce with the state, is exceedingly advantageous. There is a bank, court house, jail, printing office, and the usual number of public buildings, mechanic shops, and stores, for a town of the size of this. By the last census, it contained 527 inhabitants. It has increased since that time. The great Ohio canal, it is expected, will here communicate with the Ohio, which must at once render this town a place of great consequence. It is forty-five miles south of Chillicothe, and ninety in the same direction from Columbus. N. latitude, $38^{\circ} 48'$, W. longitude $5^{\circ} 53'$.

Circleville, on the east bank of the Scioto, is the county town of Pickaway county. In the limits of the town are two Indian mounds, the one square, the other circular. The town derives its name from being chiefly built in the limits of the circular mound. These mounds are among the most interesting in the western country, and are described elsewhere. The town contains a handsome court house, a printing office, market house, ten stores, various mechanic shops, and about seven hundred inhabitants. The rich Pickaway plains or prairies, are near this place.

The adjacent wooded lands of lower Walnut creek are equally rich; and this town, central to such extents of fertile soil, must become of considerable importance. The Ohio canal is also expected to pass through this village.— It is situated twenty-six miles south of Columbus, nineteen north of Chillicothe, and twenty miles west of Lancaster. N. latitude $39^{\circ} 26'$, W. longitude $5^{\circ} 53'$.

Urbana is the county town of Champaign county, near Mad river. It contains a court house, a jail, a printing office, a methodist and a presbyterian church, a market house, nine stores, 120 houses and 700 inhabitants. It is distant forty-three miles north-west from Columbus. N. latitude $40^{\circ} 3'$, W. longitude $6^{\circ} 4'$.

Xenia, the county town of Green county, is situated on Shawnee creek, and contains a court house, jail, two churches, two printing offices, ten stores, and 600 inhabitants. It is distant forty-four miles north by west from Columbus.

Dayton, the chief town of Montgomery county, is charmingly situated on the eastern bank of the Great Miami, just below the confluence of Mad river, and near where the Miami canal connects with the Miami. The waters of Mad river are artificially conducted from that river to the Miami, so as to afford a great number of mill seats. It contains the usual public buildings, two churches, two printing offices, a bank, fifteen stores, and more than 100 dwelling houses. Fine lands surround this town. It has many natural advantages; and when the canal shall connect it with Cincinnati, and, probably, hereafter, when another canal shall connect it with lake Erie, it can not fail to become one of the most considerable towns in this state.

Lebanon is the county town for Warren county. It is between two small branches of Turtle creek. It has the usual public buildings, two churches of brick, and a jail of stone; two market houses, a bank, a printing office, and a

respectable social library. The surrounding country has fine land. It contained in 1820, 1,079 inhabitants. It is distant eighty miles south-westerly from Columbus; and thirty north-easterly from Cincinnati. N. latitude $39^{\circ} 25'$, W. longitude $7^{\circ} 5'$.

Athens is the county town of Athens county. It is situated on an elevated bluff, in a bend of the Hockhocking, in a position equally beautiful and healthy. In this village is located the Ohio university. There is already erected for the accommodation of this institution, a handsome edifice, four stories high. The funds, the library, and philosophical apparatus are respectable; and it promises to be an institution of great utility to the interests of the literature of the state. The town contains between forty and fifty houses, a number of stores, a court house, a jail, &c., and has several mills on the river, in its vicinity. It is seventy-three miles south-east from Columbus, forty-one westerly from Marietta, and fifty-two east from Chillicothe. N. latitude $39^{\circ} 23'$, W. longitude $5^{\circ} 5'$.

Cleveland is situated on the southern shore of lake Erie, and is the county town of Cuyahoga county. Its position is at the mouth of Cuyahoga river. During the late war, it was a depot of provisions; and a place where many boats, and lake crafts were built; and it is a noted point of embarkation on the lake. It is a growing place; and the present number of inhabitants far exceeds the last census, which gave 606. It has a number of public buildings, a bank, and a printing office. It is distant 131 miles north-west from Pittsburg; and 150 north-eastwardly from Columbus. N. latitude $41^{\circ} 31'$, W. longitude $4^{\circ} 44'$. The great Ohio Canal here connects with the lake; and passes through the central parts of Ohio; preserving for some distance a course parallel to the Scioto; and finally connecting with the Ohio near the mouth of

that river. When this canal shall be completed, this place, intermediate as it is between the New York canal, and Cincinnati, will become of course a large and important place.

Sandusky, now denominated Sandusky city, and sometimes called Portland, has been but recently laid out. But it is a very growing place. It is a harbor for the lake steam boats. It will become one of the most important ports on the lake. Very considerable amounts of produce have already been shipped from this place for Canada, and New York. Lots at this village, and also at Cleveland are held at high prices. When the great advantages, that these places will derive from the completion of the great Ohio canal, are contemplated; when it is considered, what immense extents of country are brought in water communication by that canal, with Canada, New York, the immense country on the lakes, and watered by their rivers, the whole fertile regions of Ohio, and the valley of the Ohio and Mississippi, and that these towns are central to the northern and southern extremities of that communication, it will be difficult for imagination to assign the limits of the future importance of these towns.

Croghanville, a town laid out in 1817, is the county town of Sandusky county. It is at the lower rapids of the river Sandusky, and opposite fort Stephenson. It is distant ninety-eight miles north from Columbus; and ten miles, in a right line, from the lake, at the mouth of the river.

Ashtabula is a post town of Ashtabula county, situated at the outlet of Ashtabula river into the lake. It contains over 200 inhabitants. The names of the towns, that follow are, for the most part, those of county towns, and of considerable villages, some of them containing more inhabitants, than many of the villages here described. Perrysburg, Cadiz, Canton, Warren, New Philadelphia, Wooster,

Mansfield, Mount Vernon, Coshooton, Newark, Somerset, Delaware, Worthington, Franklinton, Hillsborough, Picketon, Springfield, Pickaway, Troy, Eaton, Hamilton, &c. In fact, there are at least fifty considerable villages in this state, of a size to surprise the traveller, when he first comes upon them, that their names have scarcely reached him. Particular descriptions have been here given, not always in view of the comparative importance of the villages, but from relative circumstances, as their being county towns, or towns of an older date. Many of the villages above named are flourishing, and outgrowing their older rivals. In short, every thing in this state, as we have remarked of the towns and settlements in the other western states, is so rapidly shifting under the inspection of the observer, that the description of towns, which may be just and accurate this year, may be wholly unjust the next. One of the particular disadvantages of this state is, that it has grown so rapidly, that towns have become of importance and have received names in one part of it, without hearing, that in other parts the same name has been selected for a new town. Of course, there is the unfortunate confusion of a number of towns possessing the same name. It is believed, that the same name has been appropriated in this state three or four times. It is already a fruitful source of error and misdirection in the sending of letters; and all those circumstances of transmission, that require perfect clearness and precision in the name and direction. This evil clearly ought to be remedied by the legislature.

The names of the following military positions are continually recurring in the history of this state, and of the late war. Fort Defiance is situated at the junction of the Au Glaize and Maumee rivers, fifty miles south-west from fort Meigs. Fort Loramie is on the head waters of the Great Miami, and one of the boundary points referred to,

in the Greenville treaty. Fort Meigs was erected in 1813, on the south-eastern bank of the Maumee, a few miles from the mouth, at the lower rapids of the river; distant southerly from Detroit, seventy miles. It is noted for the siege, which it sustained from the British and Indians in April and May, 1813. Fort Recovery was a fort established by general Wayne. The disastrous defeat of our troops commanded by general St. Clair, by the Indians, occurred here, in 1795. It is situated twenty-three miles northwardly of fort Loramie. Fort Greenville is one of the most noted points, in the history of Ohio; and was one of the first fortifications erected in the country. It is in the present limits of Darke county, and a few miles east of the western limits of the state. Here, in 1795, was concluded the celebrated treaty of general Wayne with the savages, after his memorable victory over them. From this treaty, the country began to populate. Before it, apprehension and terror were so universally prevalent among the settlers, that they either remained in forts, or cultivated their fields with arms in their hands. After the treaty, the savages for a considerable time left the settlers undisturbed.

Canals. The subject of canals was first brought officially before the attention of the Ohio legislature, in 1810, by governor Brown. It was subsequently canvassed by the legislature; and public opinion was maturing upon the subject by essays, discussions, and articles both in favor of, and against the measure in the public papers. In 1822, Mr. Williams made a very able report upon the subject. Immediately afterwards, a bill was passed, ordering surveys and appropriating money to defray the expenses. Different routes were surveyed, and great diligence and exertion used by the appointed commissioners. Different reports were brought before the legislature in the successive

years 1823—'4 and '5, in which last year the legislature authorized the Miami and Ohio canals.

'The Ohio canal is located on the Scioto and Muskingum route; its northern termination was subsequently fixed by the Commissioners to be at the mouth of the Cuyahoga. The work was commenced in July, 1825, and is now in successful progress. Its dimensions are the same with those of the Erie canal of New York, excepting the bottom, which is twenty-six feet broad. Its length, including feeders, is about 320 miles. In this distance, there are 1,185 feet of lockage,* a large reservoir, several aqueducts, and numerous smaller works essential to the convenience and utility of so extended a chain of artificial navigation. In its course from the lake to the river, it traverses the central, and in many respects, the most productive parts of the state. Commencing at the beautiful village of Cleveland, it keeps the valley of Cuyahoga to Portage, which gives its name to the summit level between the Cuyahoga and the Tuscarawas; here it passes over to the latter stream and descends with it by the villages of Kendall, Dover, and Coshocton, to the mouth of Wakatomaka creek, where it leaves Zanesville a few miles to the south, and passing the high lands into Licking river, ascends that stream to the summit level; from this point it enters the Scioto valley by Walnut creek, and passing Circleville, Chillicothe and Piketon, joins the Ohio at or near Portsmouth. A navigable feeder of ten miles in length, connects Columbus with the main canal. In addition to this, a company has been incorporated and the stock taken, to connect Lancaster with it by a lateral cut. Improvements of the same nature will, doubtless, be made in relation to many other places, when a little more experience has placed

* The lockage on the Ohio canal is nearly double what it is on the grand canal of New York.

the utility of these works beyond the cavils of scepticism. It will be seen from the locality of this work, that besides the flourishing districts bordering on the Cuyahoga and Tuscarawas, the whole of the immense and fertile country watered by the Scioto and its tributaries, is, in a measure, dependent on this canal for its connection with the markets of the north and the south. It is from the products of this rich valley, that most deductions have been drawn with regard to the usefulness of the work. It abounds in all those staple commodities, from which a large portion of the western country derives the means of easy subsistence, and substantial wealth.

‘Of this, eighty miles are to be finished on the 1st of July next. Sixty-four miles of continuous navigation from Cleveland to Massillon, will then be open to public use. In addition to the regular line of canal and its feeders, a large reservoir has been constructed on Licking Summit, to supply in the driest seasons, the deficiency of water. This is a very interesting portion of the work; a natural marsh, flooded during freshets by the neighboring streams, is, by embanking a part of one side, converted into a large lake for the uses of artificial navigation. Its length is between six and seven miles, and its breadth about half a mile. This reservoir is now completed, and also the feeder from the south fork of Licking, and nine-tenths of the labor on the line from Portage to the lake, and that on the Licking Summit. This work has, so far, advanced with greater rapidity, and been less expensive, than was originally anticipated.

‘On the part of the northern division put under contract, there will be, after deducting a sum deemed sufficient for superintendence and contingencies, a saving of 100,000 dollars from the estimates. On the contracts made on the

middle division, there will be a similar saving of about 60,000 dollars.

‘The Miami canal connects Cincinnati with the heart of the populous and exuberant region bordering on the two Miamies. It commences at Dayton, near the mouth of Mad river, and descending the valley of the Miami, passes by the villages of Miamisburg, Franklin, Middletown, and Hamilton; at the latter place it leaves the Miami, and follows the course of Mill creek to the upper level of Cincinnati. It is intended to connect this level with the river Ohio, by a series of descending locks, and such additional works as may best serve the purposes of commerce and manufactures.

‘The length of this canal, as now located, is about sixty-seven miles, and its dimensions the same with those of the Ohio canal. The work was commenced in July, 1825, and has since advanced with uncommon rapidity. That part of the line now under contract, extends from Enoch’s mill-dam, above Middletown, to Main street, Cincinnati, and will be ready for navigation in July next, 1827. The entire distance is near forty-four miles, and includes a dam over the Miami, a drain from the pond at the head of Mill creek, five aqueducts, twelve locks, twenty stone culverts, and some heavy embankments. Of this distance, thirty-one miles, together with most of the masonry, are completed, and the remainder in a state of rapid progression. The rest of the line, between Middletown and Dayton, will be put under contract next spring, and completed in the year 1828. Amount of lockage, 300 feet.

‘The estimated cost of the whole line is 616,837 dollars. The country bordering on the Miami canal is eminently distinguished for the abundance of its natural productions, and the rapid advances of its population. It includes the counties of Hamilton, Warren, Butler, Preble, Montgome-

ry, Green, Clark, Champaign, Darke and Miami. It is in these counties that the immense quantities of flour, pork, whiskey, &c. annually exported from Cincinnati, are produced. Their contiguity to the canal is such, that most of their products must, of necessity, be conveyed upon it. They are now transported in wagons—a mode of conveyance ever attended with comparative loss and difficulty, in a country where the soil, so abundant and various in its natural gifts, is, however, less favorable to the construction of good roads, than to that of canals.

‘Besides the ordinary benefits of canal communication, much is anticipated from the *water power* gained in the descent from the upper plain of Cincinnati to the level of the river. The quantity of water which may safely be admitted, in addition to what is required for the uses of navigation, without creating too strong a current, is estimated by engineers at 3,000 cubic feet per minute. In descending to high water mark (about fifty feet,) this will be sufficient to turn sixty pair of mill stones. Additional water power, equivalent to about one-third of this in value, may be obtained between high and low water marks. At the locks near Reading, and at other places between that and Dayton, water sufficient for extensive hydraulic works may be furnished. Of the accuracy of these estimates there is no reason to doubt; they were made by persons skilled in their profession, from minute examination of the obstacles to be encountered, and the means of overcoming them.

‘In estimating the revenue to be derived from the Miami canal, it may be observed, that the quantity of produce raised within such a distance as renders it a convenient means of transportation, is *greater* than it was originally supposed; and that this quantity is continually increasing with the growth and improvement of the country. The

value of water rents is also much greater than it was originally estimated by the commissioners.

‘The practicability of extending the Miami canal to the rapids of the Maumee, has been ascertained by experienced engineers, and the line actually located. When the completion of the works already undertaken shall have increased the public confidence and resources, this northern section of the Miami canal will doubtless be commenced. An active and numerous population is rapidly spreading over that quarter of the state through which it will pass, and substituting the energies of civilization, for the dullness of the forest. The length of the entire line from Cincinnati to the rapids of the Maumee, including the feeders, is 290 miles, and the estimated cost 2,929,000 dollars.

‘The funds for the prosecution of these improvements have heretofore been obtained without difficulty, and none is now anticipated. In the year 1825, the sum of 400,000 dollars was borrowed at less than six per cent per annum. In 1826, 1,000,000 dollars was obtained on terms nearly as favorable. The existing laws authorize a loan of 1,200,000 dollars for each of the years 1827 and 1828, which, with those already made, will amount to 3,800,000 dollars; a sum exceeding the entire estimated cost of both canals. In regard to the time required for the completion of these works, it appears from what has already been stated, that the Miami canal will be completed in 1828. Thirty-one miles being already finished, and thirteen more under contract, to be completed on the 1st day of July next.

‘More than two-fifths of the entire line of the Ohio canal are now under contract, and if no uncommon obstacles intervene, the whole will be completed in the summer of 1830, or five years from the day on which the ground was first broken.’—*Cincinnati, in 1826.*

once a year, in each county throughout the state. They are likewise chosen by the legislature for seven years.

'The supreme executive authority is vested in a governor, chosen biennially by the people. He must be thirty years of age, and have resided in the state at least four years. He is commander-in-chief of the militia, and commissions all officers in the state, both civil and military. In case of disability, or vacancy in his place, the speaker of the senate acts as governor, until the next succeeding regular election. The qualifications of a freeman are the age of twenty-one, residence in the state, and the payment of a tax.'

History. As this is by far the most populous and important of the western states, before we enter upon the brief sketch of its history, which we propose, it may not be amiss, to pause a moment in surveying the circumstances of the commencing establishments in this, and in all the western states. History has seldom deigned to contemplate the actual origin of these humble establishments. It has preferred fabulous pictures of Romulus and Remus, springing from the gods and nursed by a wolf, to the real drawings of the section of a hollow tree, in which the first infants were cradled in the new settlements of the West. We have nearly four millions of people in a country, whose age of civilized habitation, does not yet reach a half a century. We have at this moment an hundred thousand log houses in this valley, and as many farms and plantations, on which the original trees are yet standing, like masts of a dismantled ship. Yet not one in a thousand, who reads a work, like this, has a clear and adequate impression of the circumstances, under which a farmer, or planter commences in the woods. To most of the reading people even in the West, strange as the fact may seem, a faithful picture of a log house, and the result of the first blows in the forest, presents an image of things already

gone by, in the towns and villages, where the reading people live. We wish to preface our outline of the annals of Ohio, with a general sketch of the circumstances and modes in which an immigrant commences, *de novo*, in the forest. Such pictures ought to be preserved. How eagerly will they be contemplated by the generations, that come after us.

With what delight should we now peruse a sketch of the modes, in which the Egyptians commenced in Greece; the Grecians in Asia Minor; the Romans in Spain, Gaul and Africa; and the Spanish and Portuguese in the new world! Even the traces of the beginnings of the French in Louisiana are perishing unrecorded, from memory and tradition. We have but dim and imperfect ideas of the contrivances and modes of getting forward by the English, who cut down the first trees at Plymouth and Jamestown. There are many circumstances of course, in which all these beginnings in the forest must have been similar. But the less palpable these shades of difference in the modes of different ages and nations, the more interest there is in tracing those differences.

We are sure, for example, that in all parts of our country, and in all the periods of its settlement, the first settlers would experience the heart-wearing sensation of home sickness. We know, that every settler had to endure the process of acclimation, in common instances so trying to the constitution. All heard the nocturnal howl of wolves, and the cry of panthers, and the growling of bears, and the war and death-song of the savages. They all trembled alike at the forest noises, which imagination had but too much ground to assign to murderous savages, as echo repeated them in the boundless and unexplored woods.

But there is no doubt with us, that the first cabins, with their furniture, appendages and enclosures at Plymouth,

compared with those of the Kentuckians at Boone's lick at the present day, would exhibit striking differences, illustrative of the different character of the settlers, and the different spirit and improvement of the age.

We propose here to exhibit some of the circumstances, under which immigrants to the Mississippi valley strike the first blow, rear their cabins, and begin cultivation in the woods. The natural historian does not condemn a view of the seed, from which the future tree is evolved, and from that tree the seedlings of a forest. Nor does the describer of climate pretermite the notice of those influences of the sun, which dissolve the snows and ices of a continent, because they are noiseless, and only perceptible in their effects. The history of one log house, and one clearing in this valley is, substantially, that of an hundred thousand, and from the total of these humble elements we obtain an account of the grand result of population, which is already seen west of the Alleghany mountains. The immigrants, who have peopled the western country, naturally divide themselves into two classes; those, who moved from the northern and middle states, whose circumstances of immigration are nearly the same; and those, who immigrate from the southern states, whose appendant modes and circumstances of immigration vary in no small degree from those of them, who came from the other divisions of the country. The greater portion of the former are young people, recently married. With the caution, habitual to their education and modes of life, they seldom take so decisive a step, as to remove to so distant a country, until the husband, or some agent, in whose representations and judgment he has entire confidence, has performed the service of previous survey. It is seldom, that immigrants of this class, bring their flocks and herds with them, unless their removal be no farther, than into the parts adja-

cent to Pennsylvania and Virginia, west of the mountains. A load of furniture, containing the articles most indispensable to housekeeping, together with a gun, a dog, family memorials, an heirloom bible, and it may be the coarse paintings of some native artist of the family, starts off, followed by the young couple, who brush off the tears of parting, and give scope to their native enterprise and desire to see the world, and take up their line of march for the head waters of the Alleghany, or Monongahela. We may affirm, that three-quarters of the immigrants to Ohio and Indiana are of this description.

This family do not sleep in their wagon on their way; but at a tavern, where they take their supper and breakfast, dining from cold provisions beside a spring. The journey is long and fatiguing; but it calls in play their enterprise and invention; opens before them new aspects of nature, and gives them new views of things. Mental enlargement and shaking off some portion of the prejudices of birth and education are likely to result. But, commencing with limited means, and having the ultimate end, *buying lands*, and *making a farm* in view, the master sees with an anxious eye the daily wasting of his means by the expenses of travelling, and avaricious propensities are apt to be generated. Not calculating soon to travel that way again, and not yet well aware, how rapidly in these days his character travels after him, he cares little about the report, that his host makes of him. There is no doubt, under these circumstances, that his wits, sharpened by avarice and imagined necessity, sometimes put him on those tricks, of which we hear so much on the great routes of immigration. The host in turn, aware of the character, with whom he has to deal, becomes an extortioner in anticipation and imagined self defence. Hence the reciprocal

jealousies and hatred between landlords and immigrants on all the great roads leading to the western country.

At length the parties arrive at the place of embarkation, or as the phrase is, where they 'take water.' The horses are sold, and sometimes the carriage. But more generally the latter is taken apart, and goes down the river with them on the roof of the boat. If the immigrant be a Yankee, he buys plank, seizes his saw, axe and hammer, and builds a flat boat for himself. But the greater portion buy a flat boat ready made; paying for it so much by the foot in length. The builders used to practice great deception in building these boats, making them of unsound and wormeaten timber and planks, and withal, badly caulked. But this danger is now so well understood, that few immigrants purchase, until they have had the inspection of some person qualified to judge. Many of these boats are fitted up comfortably, and are not inconvenient floating houses. Two or three families, perhaps unite in fitting up the boat. The parties purchase an 'Ohio and Mississippi Navigator,' a book, which describes these *rivers, islands, sand-bars, channels, chutes, dangerous places, &c.*, and contains a great variety of important information. If the Ohio be moderately high, and the weather pleasant, this descent is commonly unattended with difficulty, or danger, and is a trip of pleasure. A southerner will find the autumnal climate of the Ohio cold; but to the northerner it will seem mild and delightful. After the morning fogs of the river have dissipated, the soft azure above, the reddened Indian summer sun, and the south-west breeze give him agreeable anticipations of the temperature of the country.

The trip to Indiana, from the boatable heads of the Ohio, is seven, or eight hundred miles, by the devious course of the river. If the place of ultimate destination be above the mouth of the Ohio, the flat boat floats on to the point of

debarkation, nearest the intended spot of settlement. If to Illinois, or Missouri, or the points above them, the flat boat descends to the mouth of the Ohio, where it is sold, generally for little. The parties there purchase a keel boat, or more generally hire themselves transported to the point, to which they wish to ascend. This outline sketches the ordinary incidents of an immigration from the northern and middle states to the Mississippi valley.

The ordinary circumstances of the immigration of a southerner are materially different. The greater portion of these are middle aged, have families, and often large establishments of flocks, herds, swine and horses, attended by a retinue of slaves. Oftentimes there are carriages, servants in livery, and a pack of hunting dogs. The tinkle of numerous bells from the cattle and horses gives notice of the approach, and the cavalcade fills the road for a great distance. As they have their slaves, their cooking utensils, and their provisions with them, after they have passed the compact settlements, it comports with their tastes to prepare their own meals, and to travel in a great measure independent of taverns. The master and family sleep in tents and the slaves in wagons.

‘Between the second and third years of my residence in the country, the immigration from the western and southern states to this country poured in a flood, the power and strength of which could only be adequately conceived by persons on the spot. We have numbered an hundred persons passing through the village of St. Charles in one day. The number was said to have equalled that for many days together. From the Mamelles, I have looked over the subjacent plain quite to the ferry, where the immigrants crossed the upper Mississippi. I have seen in this extent nine wagons, harnessed with from four to six horses. We may allow an hundred cattle, besides hogs, horses, and

sheep, to each wagon; and from three or four to twenty slaves. The whole appearance of the train, the cattle with their hundred bells; the negroes with delight in their countenances, for their labours are suspended and their imaginations excited; the wagons, often carrying two or three tons, so loaded that the mistress and children are strolling carelessly along, in a gait which enables them to keep up with the slow travelling carriage;—the whole group occupies three quarters of a mile. The slaves generally seem fond of their masters, and quite as much delighted and interested in the immigration, as the master. It is to me a very pleasing and patriarchal scene. It carries me back to the days of other years, and to the pastoral pursuits of those ancient races, whose home was in a tent, wherever their flocks found range.

‘I question if the rich inhabitants of England, taking their summer excursion to Bath, are happier in their journey, than these people. Just about nightfall, they come to a spring or a branch, where there is water and wood. The pack of dogs sets up a cheerful barking. The cattle lie down and ruminate. The team is unharnessed. The huge wagons are covered, so that the roof completely excludes the rain. The cooking utensils are brought out. The blacks prepare a supper, which the toils of the day render delicious; and they talk over the adventures of the past day, and the prospects of the next. Meantime, they are going where there is nothing but buffalos and deer to limit their range, even to the western sea. Their imaginations are highly excited. Said some of them to me, as they passed over the Mamelle prairie, the richest spot that I have ever seen; ‘If this is so rich, what must Boone’s lick be?’

‘In this calm and contemplative march, they plunge deeper and deeper into the forest, or prairie, until they arrive

at the selected spot, where they are to commence operations.

‘In making remoter journeys from the town, beside the rivulets, and in the little bottoms, not yet in cultivation, I discerned the smoke rising in the woods, and heard the strokes of the axe, the tinkling of bells, and the baying of dogs, and saw the newly arrived emigrant either rearing his log cabin, or just entered into possession. It has afforded me more pleasing reflections, a happier train of associations, to contemplate these beginnings of social toil in the wide wilderness, than, in our more cultivated regions, to come in view of the most sumptuous mansion. Nothing can be more beautiful than these little bottoms, upon which these emigrants, if I may so say, deposite their household gods. Springs burst forth in the intervals between the high and low grounds. The trees and shrubs are of the most beautiful kind. The brilliant red bird, seen flitting among the shrubs, or perched on a tree, seems welcoming, in her mellow notes, the emigrant to his abode. Flocks of parroquets are glittering among the trees, and grey squirrels are skipping from branch to branch. In the midst of these primeval scenes, the patient and laborious father fixes his family. In a few weeks they have reared a comfortable cabin, and other out buildings. Pass this place in two years, and you will see extensive fields of corn and wheat; a young and thrifty orchard, fruit trees of all kinds, the guaranty of present abundant subsistence, and of future luxury. Pass it in ten years, and the log buildings will have disappeared. The shrubs and forest trees will be gone. The Arcadian aspect of humble and retired abundance and comfort, will have given place to a brick house, with accompaniments like those that attend the kind of house, in the older countries. By this time, the occupant, who came there with, perhaps, a small sum

of money and moderate expectations, from humble life, and with no more than a common school education, has been made, in succession, member of the assembly, justice of the peace, and finally, county judge. He has long been in the habit of thinking of a select society, and of founding a family. I admit, that the first residence among the trees affords the most agreeable picture to my mind; and that there is an inexpressible charm in the pastoral simplicity of those years, before pride and self-consequence have banished the repose of their Eden, and when you witness the first struggles of social toil with the barren luxuriance of nature.'

The first business is to clear away the trees from the spot, where the house is to stand. The general construction of a west country cabin is after the following fashion. Straight trees are felled of a size, that a common team can draw, or as the phrase is 'snake,' them to the intended spot. The most common form of a larger cabin is that, called a 'double cabin;' that is, two square pens with an open space between, connected by a roof above and a floor below, so as to form a parallelogram of nearly triple the length of its depth. In the open space the family take their meals during the pleasant weather; and it serves the triple purpose of kitchen, lumber room, and dining room. The logs, of which it is composed, are notched on to one another, in the form of a square. The roof is covered with thin splits of oak, not unlike staves. Sometimes they are made of ash, and in the lower country of cypress, and they are called clap boards. Instead of being nailed, they are generally confined in their place by heavy timbers, laid at right angles across them. This gives the roof of a log house an unique and shaggy appearance. But if the clap boards have been carefully prepared from good timber they form a roof sufficiently impervious to common rains.

The floors are made from short and thick plank, split from yellow poplar, cotton wood, black walnut, and sometimes oak. They are confined with wooden pins, and are technically called 'puncheons.'

The southern people, and generally the more wealthy immigrants advance in the first instance to the luxury of having the logs hewed on the inside, and the puncheon floor hewed, and planed; in which case it becomes a very comfortable and neat floor. The next step is to build the chimney, which is constructed after the French, or American fashion. The French mode is a smaller quadrangular chimney, laid up with smaller splits. The American fashion is to make a much larger aperture, laid up with splits of great size and weight. In both forms it tapers upwards, like a pyramid. The interstices are filled with a thick coating of clay, and the outside plastered with clay mortar, prepared with chopped straw, or hay, and in the lower country long moss. The hearth is made with clay mortar, or, where it can be found, sand stones, as the common lime stone does not stand the fire. The interstices of the logs in the room are first 'chinked;' that is to say, small blocks and pieces of wood in regular forms are driven in between the intervals, made by laying the logs over each other, so as to form a kind of coarse lathing to hold the mortar.

The doors are made of plank, split in the manner mentioned before, from fresh cut timber; and they are hung after an ingenious fashion on large wooden hinges, and fastened with a substantial wooden latch. The windows are square apertures, cut through the logs, and are closed during the cooler nights and the inclement weather by wooden shutters. The kitchen and the negro quarters, if the establishment have slaves, are separate buildings, prepared after the same fashion; but with less care, except in the

article of the closeness of their roofs. The grange, stable and corn houses are all of similar materials, varied in their construction to answer their appropriate purposes. About ten buildings of this sort make up the 'fixings' as the phrase is, of a farmer with three or four free hands, or half a dozen slaves. The whole establishment, seen at a distance, by an inhabitant from the Atlantic cities, would strike him at first unpleasantly. But to us, who say with the ancient bard, '*per has artes*,' to us, who know, that they afford comfortable shelter to half the inhabitants of the western country, to us, who see in these establishments the germ of a most powerful community, and who know, how much rural plenty, frank, and it may be rough independence, guileless honesty, contentment and blitheness of heart these humble establishments often contain, they bring associations of repose, abstraction from ambition and factitious wants; and the group of cabins, thus showing in the distance, like an assemblage of rude bee hives, is not an unpleasant view. When the wintry wind blows, and the shutters are closed, and the substantial walls of hewed logs show the white lines of plaster, which mark the interstices; and the fire blazes high, and the rustic table smokes with woodland plenty, we have seen no dwelling, which in our view was more compatible with real and homefelt enjoyment.

The field is generally an alluvial area, of which the buildings are the centre, if the inhabitant be a southerner, or in the centre of one side of the square, if he be a northerner. If the soil be not alluvial, a table area of rich upland, marked to be such by its peculiar growth of timber, is selected for the spot. If the person have a sufficient force, the trees are carefully cleared away, for a considerable distance round the dwelling. In the remaining portion of the field, the trees undergo an operation called by the

northern people 'girdling,' and by the southern 'deadening.' That is, a circle is cut, two or three feet from the ground, quite through the bark of the sappy rind of the tree, so as completely to divide the vessels, which carry on the process of circulation. Some species of trees are so tenacious of life, as to throw out leaves, after having suffered this operation. But they seldom have foliage, after the first year. The smaller trees are all cut down; and the accumulated spoils of vegetable decay are burned together; and the ashes contribute to the great fertility of the virgin soil. If the field contain timber for rails, the object is to cut as much as possible on the clearing; thus advancing the double purpose of clearing away the trees, and preparing the rails, so as to require the least possible distance of removal. An experienced hand will split from an hundred to an hundred and fifty rails in a day. Such is the convenience of finding them on the ground, to be fenced, that Kentucky planters, and the southern people generally prefer timbered land to prairie; notwithstanding the circumstance, so unsightly, and inconvenient to a northern man, of dead trees, stumps, and roots, which, strewed in every direction over his field, even the southern planter finds a great preliminary impediment in the way of cultivation. The northern people prefer to settle on prairie land, where it can be had in convenient positions.

The rails are laid zigzag, one length running nearly at right angles to the other. This in west country phrase, is 'worm fence,' and in the northern dialect 'Virginia fence.' The rails are large, and heavy, and to turn the wild cattle and horses of the country, require to be laid ten rails, or six feet in height. The smaller roots and the underbrush are cleared from the ground by a sharp hoe, known by the name '*grubbing hoe*.' This implement, with a *cross cut saw*, a *whip saw*, and a *hand saw*, axes, a *broad axe*, an

adze, an auger, a hammer, nails, and an iron tool to split clap boards, called a '*froe*,' constitute their dispensable apparatus for a back woodsman. The smoke house, spring house, and other common appendages of such an establishment it is unnecessary to describe; for they are universal in the establishments of the farmers in the middle and southern Atlantic states.

A peach orchard is generally the first object in raising fruit; because it is easily made, and begins to bear the second or third year. Apple orchards with all good farmers are early objects of attention. The cultivation of the more delicate garden fruits is generally an object of after attention, if at all. Maize is planted the first year without ploughing. Afterwards the plough becomes necessary. Turnips, sweet potatoes, pumpkins and melons flourish remarkably on the virgin soil. It is a pleasant spectacle, to see with what luxuriance the apple tree advances. South of 33° the fig tree is substituted for the apple tree. If the log buildings were made of good and durable materials, they remain comfortable dwellings seven or eight years. By this time, in the ordinary progress of successful farming, the owner replaces them by a house of stone, brick, or frame work; and the object is to have the second house as large, and showy, as the first one was rustic and rude. A volume of details, touching the progress of such establishments, might be added. But as this brief, though faithful outline of commencing establishments in the woods aims to preserve an order of things, that is passing away under our eyes, and which will soon be found only in history, in the great state, whose annals we are now to give, we have deemed it not irrelevant to make these preliminary remarks. They are equally applicable to this and all the western states. We premise, also, that the annals of Ohio will be much more brief, than those of Kentucky and

Tennessee, as from its subsequent settlement, it had a much shorter period of Indian war.

The progress of this great state has no parallel in the history of colonies. No records can be found of equal advancement of population, national wealth, strength and improvement of every sort, by the unforced progress of immigration and natural increase. We stand in the midst of a state, which, but little more than thirty years ago, was all possessed by ruthless savages; and we now see cities and towns, more than an hundred thousand militia, nearly a million inhabitants, two canals, the one nearly seventy, and the other three hundred miles in length, a great number of flourishing villages, handsome farm houses, and every indication of comfort and abundance, and the whole scene has at first view the aspect of fable and enchantment. We see one respectable and rapidly advancing town; and a mass of farmers spread over the greater portion of the surface of the state, not rich in money, but rich in rural abundance, in simplicity of manners, and the materials of genuine independence. The people are as well fed, and clothed, and as contented and happy, perhaps, as the same number of people any where on the globe.— There are schools, colleges, manufactories, national works and improvements, of which any state, or any order of society, howsoever advanced, might be proud. This colony, which has flourished by its own innate principle of vigor, without factitious support from speculation, or any forcing from opulence and power, still sees the original trees standing in its fields.

We should be glad to trace the origin and progress of every town and settlement in the state from Marietta, Cincinnati and Gallipolis, the oldest towns in the country, to the most recent establishment on lake Erie. It would be pleasant, to trace the gradual advance of the settlement

from these central points and the shores of the Ohio along the two Miamies over the heights, which separate the waters of the Ohio from those of lake Erie. The history, also, of the settlement of the Connecticut Reserve, is an interesting one. We there find a large and compact settlement, distinct from the other divisions of the Ohio population, in the equal dispersion of farms over the surface, in the disposition to support schools and public worship, exceedingly like the parent people, from whom they sprung. But they, who achieved these great works, thought little of transmitting the remembrance of their works to posterity. Their minds were pleasantly occupied with other views, and those copious, exact and satisfactory materials, necessary for a detailed history of the progress of Ohio, will, probably, perish with the living depositories of them. Many of the founders of this great state still exist; but they are too intently occupied, in laying up the superstructure of their recent establishments, to think of furnishing such materials. Besides, the details of such a work would fill volumes. Neither our limits, or materials allow any more, than some very abbreviated sketches.

The first effective settlement of Ohio was by purchasers under the 'Ohio company' in 1788. The writer of this article distinctly remembers the wagon, that carried out a number of adventurers from the counties of Essex and Middlesex, in Massachusetts, on the second emigration to the woods of Ohio. He remembers the black canvass covering of the wagon; the white and large lettering in capitals '*To Marietta on the Ohio.*' He remembers the food, which even then the thought of such a distant expedition furnished to his imagination. Some twenty emigrants accompanied this wagon. The Rev. Dr. Manasseh Cutler, he thinks, had the direction of this band of emigrants. General Putnam seems to have been the only one, who

preceded him in claims, to be considered the patriarch of the Marietta settlement. Dr. Cutler, at the time of his being engaged in the speculation of the Ohio company's purchase, had a feud, it is not remembered whether literary, political, or religious, with the late learned and eccentric Dr. Bently of Salem, Massachusetts. Dr. Bently was then chief contributor to a paper, which he afterwards edited. The writer still remembers, and can repeat dog-grel verses by Dr. Bently upon the departure of Dr. Cutler on his first trip to explore his purchase on the Ohio.

The first travellers to explore Ohio availed themselves of the full extent of the traveller's privilege in regard to the wonders of this new land of promise, and the unparalleled fertility of the soil. These extravagant representations of the grandeur of the vegetation, and the fertility of the land, at first excited a great desire to emigrate to this new and wonderful region. But some returned with different accounts in discouragement; and the hostilities of the savages were painted in the most appalling colors. A reaction took place in the public mind. The wags of the day exercised their wit, in circulating caricatured and exaggerated editions of the stories of the first adventurers, that there were springs of brandy, flax, that bore little pieces of cloth on the stems, enormous pumpkins and melons, and the like. Accounts the most horrible were added of hoop snakes of such deadly malignity, that a sting, which they bore in their tails, when it punctured the bark of a green tree, instantly caused its leaves to become sear, and the tree to die. Stories of Indian massacres and barbarities were related in all their horrors. The country was admitted to be fertile; but was pronounced excessively sickly, and poorly balancing by that advantage all these counterpoises of sickness, Indians, *copper headed and hoop snakes*, bears, wolves, and panthers.

The tendency of the New England mind to enterprise and emigration, thus early began to develope. For all these horrors, portrayed in all their darkness, and with all the dreadful imaginings connected with the thought of such a remote and boundless wilderness, did not hinder the departure of great numbers of the people, following in the footsteps of general Putnam and Dr. Cutler. They were both men of established character, whose words and opinions wrought confidence. Dr. Cutler was a man of extensive and various learning. He was particularly devoted to the study of natural history; and was among the first, who began scientifically to explore the botany of our country. He had great efficiency, in founding the upper settlement on Ohio; and his descendants are among the most respectable inhabitants of the country at present.

General Rufus Putnam had been a reputable and unblemished officer in the war of the revolution. He emigrated from Leicester, in the county of Worcester, Massachusetts. He was, probably, the member of the Ohio company's purchase, who had the greatest influence, in imparting confidence to emigration from New England to Ohio. When he moved there, it was one compact and boundless forest. He saw that forest fall on all sides under the axe; and in the progress of improvement, comfortable, and then splendid dwellings rise around him. He saw his favorite settlement sustain an inundation of the Ohio, which drowned the cattle, waisted away the dwellings, and in some instances the inhabitants in them. He saw the settlement survive the accumulated horrors of an Indian war. He saw its exhaustless fertility, and its natural advantages triumph over all. He saw Marietta making advances towards an union of interest with the gulf of Mexico, by floating down to its bosom a number of sea vessels, built at that place. He saw such a prodigious

gious increase of navigation on the Ohio, as to number an hundred large boats passing his dwelling in a few hours. He heard the first tumult of steam boats as they began to be borne down between the forests. He had surrounded his republican mansion with orchards bending with fruit. In the midst of rural abundance and endeared friends, who had grown up around him, far from the display of wealth, the bustle of ambition and intrigue, the father of the colony, hospitable and kind without ostentation and without effort, he displayed in these remote regions the grandeur, real and intrinsic of those immortal men, who achieved our revolution. He has passed away. But the memory of really great and good men, like general Putnam, will remain as long as plenty, independence and comfort shall prevail on the shores of the Ohio.

The next settlement in Ohio, in the order of time, and really the most efficient and important of all others, and which may be clearly considered the nucleus of the population, was that between the two Miamies. Of this settlement judge Symmes may fairly be considered the founder. He was a civilian, a lawyer and an inhabitant of New Jersey. He was a member of congress, when he first contemplated the idea of emigrating to the western country. He was the representative and agent of the company, which made the first purchase between the two Miamies. It comprehended a million of acres. He was afterwards a judge under the territorial government. His name is identified with all the subsequent sales, locations, establishments of the sites of towns and similar transactions, until Ohio became a state. Had his speculation been followed with the success, which ought to have resulted from the foresight, with which it was made, and the vigor with which it was carried into effect, it must have secured an immense fortune for his posterity. But the issues of such

great and combined operations are often determined by elements, beyond the reach of human foresight. Clear as his vision was into the future, he little foresaw the future value and consequence of these lands. Purchasers, with a ken still more limited had not the courage, nor forecast to make him sufficient payments to meet the great expenses of his speculations. He was unquestionably fitted in a high degree to become the foster father to a new colony. He possessed a sound understanding, great firmness of purpose, and was a man of industrious habits, and devoted to business; and had not the slightest touch of the hunter and *coureur du bois*, which so strongly marked the first settlers of Kentucky and Tennessee, in his character. He was a zealous patron of the industrious and enterprising; and all, that was necessary to secure the countenance and support of judge Symmes, was to convince him, that the man was sober, industrious and disposed to exert himself. It was an honorable trait in his character, that he was a real and efficient friend of the poor. Many amiable eccentricities belonged to his character; and among other traits, that might seem most foreign to his industrious, calculating and municipal habits, was, that he was a writer of verses, of which very copious proofs, as well as honorable to his muse, remain. The names of his chief associates in the settlement of the Miami country will naturally be interwoven in these annals. Among them was colonel Israel Ludlow, one of the first settlers, a man of great amiability of character, and whose early decease was considered a deep loss to the country.

Exploring parties had made temporary residences on the north shore of the Ohio, previous to the establishment of any permanent settlement, and boats, ascending and descending the river, had had rencontres with the Indians, in which many of those thrilling and terrible adventures,

which we have already related to repetition, were common. We read of the occurrence of one in the autumn of 1776, as related by Mr. Patterson, who was ascending the Ohio in a boat with six or seven companions, and who was fired upon by the Indians. A part of the company were killed, and the remainder wounded. They were an hundred miles from settlements or relief; lying in their wounds and blood, exposed to the rain and elements. One only was able to travel, and he was wounded. He proceeded up the river to the nearest settlement, procured help, and carried off his wounded companions, who recovered. The narrative of the sufferings of this company is one of harrowing interest. Nothing that human nature can suffer, was wanting to their misery; and their case furnishes an impressive proof, through how much misery and suffering man can survive. We could easily fill up copious annals of these desperate rencontres, and hair breadth escapes and recoveries from wounds, which would be deemed utterly hopeless in the view of the best surgical aid, and all the palliations of the comfort and aid of society. But, however impressive these narratives, the brevity of our plan excludes them, and we commence these annals with the first permanent settlement of Ohio.

This commenced at Marietta, April 7th, 1788, under general Rufus Putnam, as agent for the Ohio company. The company, that came with him, consisted of forty-seven persons, and were from Massachusetts, Rhode Island, and Connecticut. Their first business was to build a stockade fort of sufficient strength to secure them against any desultory attacks of the savages. These were all laborious men, who thought much more of the plough and hoe, than the rifle and game. They were delighted with the appearance of the rich alluvion, and the immense

trees and grape vines, that rose from it; and treated themselves to the jests, which had been circulated in their native regions, respecting pumpkin vines, that ran across the Ohio, and bore pumpkins of a size to furnish space, in which sows might litter. The exuberant grandeur of the wild vegetation might well justify extravagant expectations from the fertility of the soil. They deadened the trees, and planted fifty acres of corn. In the autumn, twenty more families joined them. They were chiefly revolutionary soldiers, who had been used to face danger and hardships of all sorts, and to give and receive blows. Their vigilance and boldness of countenance appear to have awed the Indians, so that they molested them very little. While these prudent and laborious men tilled their grounds, they had always some one of their number stationed upon a high stump, or elevated point of ground, to forewarn them of the approach of the foe. Game of all sorts abounded in the woods, and fish in the rivers. The fields yielded the most ample abundance of return for whatever they had planted; so that abundant subsistence was obtained with the greatest ease.

Six years afterwards, in 1794, the settlements of Bellepre and Newbury, the one fifteen miles, and the other twenty miles below, on the river, were commenced. In each of these places stockade forts, to which the people could retreat in case of alarm from the savages, were built, according to the invariable custom in all the new western settlements. The strongest of these received the appropriate name of the 'farmer's castle.'

In 1791, Indian hostilities commenced upon these settlements. The Ohio company organized, and kept in constant employment a small company of spies, whose duty it was to perambulate the settlement. When these rangers discovered footsteps, or other indications of the contigui-

ty of the savages, they were to give verbal notice; or if the emergency of alarm was urgent, to fire signal guns. On receiving these signals, it was the duty of the settlers immediately to retreat to their stockades, and the soldiers to repair to their posts of defence. The unsleeping and untiring vigilance of these settlers did not at all match with Indian notions of attack, who always seize the moments of carelessness and the unguarded point of weakness for the hour of assault. That this settlement suffered so much less, than those, that preceded it, under the same circumstances, in the western country, may be solely attributed to that habitual watchfulness and unremitting posture of defence.

Between 1791, and 1795, major Goodall, a most valuable member of the settlement, and three others were killed. To have right estimates of this comparatively small amount of suffering from Indian warfare, it must be remembered, that this settlement stood alone on the north shore of the Ohio; was a frontier to the most numerous and powerful Indian villages in the western country, and the object of their bitterest enmity and most concentrated efforts. In addition to the men, mentioned above, one woman and her two children were slain. Another infant in her arms was tomahawked, but was rescued by the inhabitants, and recovered from its wounds.

In 1790, a settlement was commenced at the forks of Duck creek, twenty miles up the Muskingum, at the site of the present town of Waterford; and another fifteen miles higher on the same river at Big Bottom, and a third at Wolf creek, near the forks. These settlements were on a tract of 100,000 acres of land, laid off into farms of 100 acres each, called 'donation lots,' which were gratuitously assigned to actual settlers. At the close of 1790, these settlements contained 447 men, of whom 107 had

families, a striking demonstration of the rapid increase of population even amidst the dangers of an Indian war.

The settlement at Big Bottom was destroyed by the Indians, January 2d, 1791. Fourteen persons were killed, and five taken prisoners. This fatal assault was made by the Indians with their usual guile and treachery. They had kept up a show of frankness and friendship towards these people, which had lulled them to a ruinous security. Unperceived by the people, the Indians watched the settlement from the summit of an adjacent hill. The inhabitants were returning from their labors at evening twilight to their supper. The Indians, preceded by a huge Mohawk, rushed in upon the garrison, and inflicted an unresisted massacre. One woman only contended, and she inflicted a wound upon the Mohawk, before she was killed. A boy was spared, and carried captive to Detroit.

The settlement at Wolf creek was warned of its impending danger by two men of the name of Bullard, who escaped from the massacre of Big Bottom. Next morning the Indians arrived to the assault of that place; but finding the inhabitants apprised of their attack, and in readiness for them, they decamped without any serious attempts upon it. Some murders were committed at Waterford and Little Wolf creek, in 1794, and 1795. Although Marietta, from its vigilance and preparation, was considered by the savages impregnable, the cows of the settlement often came in with arrows sticking in their bodies, as proofs of the good will of the Indians to injure them, were it in their power.

The escape of the late R. J. Meigs, Esq., afterwards governor of Ohio, and Postmaster general, from various circumstances, merits a relation. He was returning at night from the labors of the field, in company with Mr. Symonds and a black boy. The Indians fired upon Sym-

onds, and wounded him. He escaped them by reaching the river, and swimming. The black boy was scalped. An Indian, armed only with a tomahawk, motioned Mr. Meigs to surrender. Instead of surrendering, he advanced upon the savage with his gun presented; but which happened not to be loaded. As they came in contact, the one struck with his gun and the other with his tomahawk. Mr. Meigs was stunned by the blow; but recovering, he fled from the Indian, who pursued without being able to overtake him. Seeing his victim like to escape him, he fired his tomahawk upon him, which narrowly missed his head. The Indian raised his customary war cry, and gave up the pursuit.

In all this time the people of this settlement were not known to have killed but two Indians. One had mounted on the roof of a cabin in an abandoned settlement at Duck creek. With the customary disposition to pry into the concerns of the whites, he was looking down the large wooden chimney. Some spies happened to have occupied the cabin for the night. They discovered him, and killed him on his perch. The spies had a shot at another Indian in company, who was amusing himself in turning a large grindstone; but he escaped. The other was killed by one of the spies on the Little Muskingum. At this period the country contiguous to these settlements abounded with game, such as buffalos, deer and wild turkeys. The deer were killed for their hides and tallow, and the turkeys afforded a game too common to be prized as a luxury.

We return from these annals of the first settlement in Ohio, in the order of time, to contemplate the progress of that between the two Miamies, the first in the order of importance. This country was explored by colonel Bowman, in 1779, at the head of ninety men, marching

against the Indian village at Little Pickaway. The town was destroyed; but the returning party suffered severely from the Indians, and lost ten of their number. He gained, however, an accurate knowledge of this fertile and interesting country, and the position and force of the Indian towns contiguous to it.

Between the years 1780, and 1782, general Clark conducted a larger force against the Indians of that region, in which Old and New Pickaway villages were burned. In 1784, our government effected a treaty with them, in which, by certain mutual stipulations, they ceded to the United States the country lying upon the Muskingum, Scioto, and the Little and Great Miami.

The 'Ohio company' was organized at Boston, March 1st, 1786. It was composed of revolutionary officers and soldiers, to whom congress assigned a military grant of land north-west of the Ohio. The grant consisted of a million and a half of acres. General Putnam made the settlement, which we have just been contemplating, under this grant; and this was the germ, from which has grown up this great and populous community. In 1788, congress passed an ordinance, establishing a territorial government over the North-western Territory. Arthur St. Clair was appointed governor. In September, 1788, the first judicial court was holden in the territory. The first political object with the governor was to establish a peace with the various hostile tribes, contiguous to the territory. The chiefs met at fort Harmar, at the mouth of the Muskingum, and agreed upon a former treaty, which had been settled at fort M'Intosh, in 1785, and which was now renewed in 1790.

In the winter of 1786, Mr. Suites of Redstone, now Brownsville on the Monongahela, presented himself before congress, then sitting in New York, with a view to

purchase a tract of country for settlement between the two Miamies. He was introduced to John Cleves Symmes, then a member of congress, whose aid he solicited, in order to enable him to make the purchase in question. Mr. Symmes was so much impressed with the project, as to make a journey to the country, wisely thinking it best, to judge of the country by personal inspection. He journeyed to the Ohio, and descended it to Louisville. He was pleased with the country, and on his return, a purchase of one million of acres lying on the Ohio, and between the two Miamies, was made in his name.

Mr. Symmes soon afterwards sold to Matthias Denman that part of his purchase, which now forms the site of Cincinnati. The first settlers were from New York and New Jersey. Mr. Stites added several families from Redstone. Mr. Filson, in exploring the country, was killed by the Indians. Lieutenant Kersey and ensign Luse with nearly forty soldiers were ordered to join Mr. Symmes' party, as a corps of defence for the contemplated settlement. Major Stites, with the necessary preparation for commencing a settlement, descended to the mouth of the Little Miami. In November 16th, 1789, they commenced to the number of twenty-six, the erection of a block house on the position, where Columbia is now situated. With the requisite precaution against the Indians, a part stood guard, while the rest labored in the erection of the block house. A square stockade fort was soon after formed by the erection of three other block houses. This was the germ of the second settlement in Ohio, and the first between the two Miamies. Mr. Symmes soon after joined them with a small sergeant's guard of six soldiers, and they erected a small block house below those at the mouth of the Little Miami.

About the commencement of the year 1790, Israel Ludlow, who, after the death of Mr. Filson, became a joint partner with Mr. Denman and Patterson of the site of Cincinnati, left Limestone with a company of nearly twenty persons, to commence the settlement of their purchase. The town was first named Losantiville. As town making became afterwards, in the progress of the western country in population, a regular business, and the invention and coining of names for towns no mean study, it will be amusing to consider the ingenuity of this far fetched name. The town was commenced opposite Licking river in Kentucky. The name of the town took the initial of that river for its first letter. It borrowed *os*, the mouth, from the Latin; *anti*, opposite, from the Greek, and *vill*, a city, from the French. Hence we have Losantiville, *a city opposite the mouth of Licking*. In a newspaper printed at Lexington in Kentucky, the type, appearance and printing of which smacks strongly of the simplicity and coarseness of the olden time is now to be seen the original advertisement of the sale of the lots in this city then covered with a heavy growth of timber. The newspaper is shown, as a curiosity in Mr. Letton's museum in Cincinnati. Mr. Ludlow on his arrival with his party commenced clearing near the present corner of Front and Main streets. Three or four log cabins were built on what is now Main street. Mr. Ludlow surveyed, and laid out the town, during the winter. The courses of the streets were marked on the trees of the heavy and dense forest. The abundance of game and fish left little difficulty of subsistence, and even the Indians, though hostile, did not annoy them.

Mr. Symmes with the small force at his disposal, in February, 1789, descended the river fifteen miles to North Bend, which he deemed the best situation for a town. But neither that place, nor Columbia, above Cincinnati,

have yet reached the size of even considerable villages; a clear proof, that the wisest human foresight sometimes falls short in such calculations. In the following spring, Indian hostility manifested itself in the customary way of annoyance to the incipient settlements, by stealing horses, killing the cattle and murdering the inhabitants. Several persons of a surveying party, and five or six soldiers were killed.

June 1st, 1789, major Doughty arrived at Losantiville with one hundred and forty men, who built four block houses opposite the mouth of Licking. On a lot of fifteen acres, sloping from the upper bank to the river, a little east of the present position of Broadway, was erected fort Washington. At the close of 1789, general Harmar arrived with 300 men, and took command of the fort, preparatory to his expedition against the hostile Indians. The population, besides the soldiers, consisted of eleven families, and twenty-four unmarried men. They inhabited twenty small log cabins, chiefly on the lower bank. But a very small part of the present area of the town was cleared; nor were the logs removed for some years afterwards. Darius Orcutt and Miss M'Henry, and Daniel Shoemaker and Miss Alice Ross were the first couples legally married in Losantiville, and the first child born, in what is now Cincinnati, was John Cummins. Columbia still exceeded this place in population. The inhabitants at that place had the advantage of tilling fields, which had been made by the Indians, and so productive were these fields in maize, that captain Benjamin Davis measured 114 bushels of corn from a single acre.

In January, 1790, governor St. Clair and the judges of the supreme court descended to Losantiville, where the first judicial court was organized in the Miami country. The governor, in honor of the military society of

Cincinnati, changed the name of Losantiville to its present name. In the following spring, Mr. Dunlap and associates laid out the station of Colerain on the Great Miami, seventeen miles north-west of Cincinnati, and Ludlow's, Garrard's, Covalt's, White's and Round Bottom stations were commenced. At each of these points general Harmar stationed a small number of regulars for defence; and whoever rashly ventured beyond this line of defence was exposed to be murdered, or at least to receive a shot from the hostile Indians, who were constantly prowling round.

Forty families were added to Cincinnati this year. As many cabins and the first two frame houses were erected. Seven mechanics were numbered among the Inhabitants. Fifteen or twenty of the new settlers were murdered by the Indians, and Mr. Spencer, at present a distinguished citizen of the place, then a boy, was carried into captivity. On the application of his father, he was ransomed by the governor of Upper Canada, for the sum of 120 dollars. The issue of the unfortunate campaign of general Harmar, which took place about this time, has been related in another place.

Twenty acres were planted with corn in different parts of the town. The grinding was with hand mills. Flour and bacon, now in such abundance, were then imported from the older settlements. The tables were of split planks, and the dishes were of wood. The dress of the men was hunting shirts of domestic fabric. This dress was bound with a belt, or girdle, in which were a knife and a tomahawk. The lower part of this dress was deer skin, and after the Indian fashion; in fact the dress of the backwoods people in Illinois and Missouri at the present day. The women, too, were as yet content with dresses of their own fabric. The old inhabitants at that time, who still survive, look back from the squares and streets, the

opulence, pride, coldness and competition of the present day to those primitive times of log cabins, love, amity and affection, cemented by common wants and dangers, as the golden age of Cincinnati.

January 8th, 1791, a party of four persons, who were exploring the country west of the Great Miami, were attacked by the Indians. One was killed; one taken, and the other two escaped to Colerain station. The station consisted of fourteen inhabitants, and was defended by eighteen soldiers. Two days after the attack upon the exploring party, the Indians came upon this station, to the number of 300. They demanded a surrender, which was met by a prompt refusal. A fire was instantly commenced from the garrison, and returned by the Indians. An express was sent to Cincinnati for a reinforcement; and sixty-three soldiers arrived next morning. But the Indians had decamped, before their arrival. During the attack, lead failed for bullets. The women of the garrison supplied the deficiency, by melting their pewter vessels, and moulding balls. Near the garrison was found the body of a prisoner, whom the Indians had slain in the disappointment of their defeat. He appeared to have been horribly mangled, and to have expired from the consuming fire of a burning brand applied to his bowels.

An instance of the keenness of Indian ingenuity, in the invention of original modes of torture is given at this time. The Indians captured a young man of the name of Moses Hewitt, who lived on the little Hockhocking, and was a member of the Marietta settlement. He was remarkable for the suppleness of his limbs, and the swiftness of his running. The Indians tested him with their champion racers, and, although he could not have run with much spirit, under his depressing circumstances, he easily vanquished them all in swiftness. They affected to be pleas-

ed, but their envy was piqued. They were destitute of provisions, and wished to secure their swift footed prisoner, while they were occupied in their hunt. With this view, and probably to torture him at the same time, they fastened his wrists by crossing them, and binding them firmly with cord. They then tied his arms to a stake, so as partly to raise the upper part of his body. They fastened his legs in the same way, and partly cut off a young sapling, bending it down, so that the weight of the lower part of his body would be a counterpoise to the elastic force of the curved tree. Thus was he partially raised by his hands and feet, in a way most horribly painful; and yet in a position, where death would be slow, in arriving to his release. It was like the torture of killing by dropping water on the head. Fortunately, the young man had remarkably slender wrist bones. When left alone to meditate upon his terrible situation, he contrived, not without disengaging the skin and flesh from his wrists, to disentangle his arms from their manacles and finally his legs. He picked up a little of the scraps of jerked meat, which the Indians had left. To baffle their pursuit and that of their dogs, he ran on the bodies of fallen trees, and meandered his course in every direction. Such was the adroitness of his management, that he put them completely at fault, and escaped them, and came in to the settlement of Marietta, wounded, his flesh torn, and mangled, and emaciated to a skeleton, and a living proof how much man can survive, before he suffers the mortal pang. He had been absent fourteen days.

In the disastrous campaign of general St. Clair, the issue of which has been related in another place, a great number of the inhabitants of Cincinnati were killed. The event of the campaign had a discouraging effect upon the fortunes of the settlement. Several of the inhab-

itants removed to Kentucky, for greater security from savage assault. So fresh was the settlement, that the establishment of a horse mill for grinding is recorded; as an era in its history.

But notwithstanding the fury and disastrous character of the Indian war, between forty and fifty immigrants arrived at Cincinnati, in 1792. A presbyterian church was built, not far from the site of the present first presbyterian church. It was occupied by the congregation of the Rev. James Kemper. The first school was opened this year in town, and consisted of thirty scholars. The next year, 1793, was distinguished by the prevalence of small pox, among the soldiers and inhabitants of Cincinnati, which swept off nearly a third of their number. The glorious campaign of general Wayne succeeded, the events of which we have already narrated. The severe chastisement, which the Indians received in this campaign, inspired them with sincere dispositions for peace. An end was put to their unprovoked and sanguinary hostilities, by the treaty of fort Greenville, signed, August 3d, 1795. It may be imagined, with what joy this event was hailed by all the dwellers in the Ohio valley. Now, that they considered the dangers of savage assault or ambush at an end, they issued forth from their straightened and uncomfortable positions, in their forts and block houses, selected the spots of their choice, and the blows of the axe, and the baying dogs of the settlers began to echo through the forest. As soon as the news of peace and security passed the mountains to the Atlantic country, the fame of the western country for fertility revived the natural propensities of the American people to wander. On all the great roads to the western country, flocks of emigrants were seen directing their course to cross the Alleghanies. From the Alleghany and the Monongahela, boats crowd--

ed with adventurers, were continually floating down. Connecticut Reserve was rapidly filled with people, chiefly from Connecticut. The settlements broadened and diverged from the Marietta settlement on the one hand, and Cincinnati on the other, gradually advancing from the shores of the Ohio towards the height of land between the waters of the Ohio and the lakes. The extraordinary fertility of the country on the Scioto caused the banks of that river early to be settled with a compact population. The country on the Great Miami from Dayton, along the courses of Mad river, soon became populous. The extent of the immigration could only be imagined by the inn keepers, who lived on the great roads to the western country, or by the agents of the land office, or by the astonishing results of a census. For the rest, the settlers quietly dropped into their forest nests, and the next intelligence of them was by the passing traveller, who spoke of their wheat fields, and commencing improvements. Never was transformation from the silence of the forest to the results of population, towns, villages, farms and all the accompaniments of civilization and municipal life more silent and imperceptible, and at the same time more sudden.

In four years from the treaty of Greenville, to wit, in 1799, the territory passed to what has since been called, the second grade of territorial government. The legislative power, which in the first grade belonged to the governor and judges, was transferred to a house of representatives elected by the people, and a legislative council, appointed by congress. A delegate was chosen to represent the territory in the national legislature. In 1795, Cincinnati contained 500 inhabitants. In 1800, 750. In 1805, 960.

The limits of this territory had hitherto been Pennsylvania on the east, the lakes on the north, the Mississippi on the west, and the Ohio on the south. The extent of country was sufficient to form a large empire. General St. Clair remained governor. The first territorial legislature met at Cincinnati in 1799. Representatives from Detroit and Kaskaskia were present. The two points were distant, by the travelled route, not much short of 800 miles. During this session, a dispute arose between the governor and the two houses, touching the power of the governor to exercise an unqualified negative. The legislature remained in session three months. A sturdy spirit of independence, and disposition to remonstrate against real or supposed grievances, began early to manifest itself in the legislative measures and enactments. The next session was held at Chillicothe, in November, 1800. The differences between the governor and the legislature manifested themselves anew during this session.

Previous to this, however, a separate territorial government had been erected out of the country, which now constitutes Indiana and Illinois. The old territory consisted of the present state of Ohio and Michigan territory. This division threw the Miami country and Cincinnati, the most populous and flourishing village in the country, upon the western verge of what would constitute the new state. Feelings of emulation and jealousy had arisen between different sections, particularly between the Miami and Scioto country, in which were the most considerable settlements in the state. Some of those active and influential men, who naturally precede in projects of this kind, began to talk of a state government. To this the governor and a majority of the legislature were averse. They assigned, as reasons, that the people would derive no real advantage from it. The financial aspect of the govern-

ment was not prosperous, although most of the public officers received their salaries from the United States. When erected into a state, the people themselves would have to meet these charges, for which it seemed to be generally admitted, the privileges of a state government at that time afforded no adequate equivalent. There were not wanting those at this time, as may well be supposed, who assigned very different motives to the governor, for wishing to postpone the formation of a state government.

There are no striking data, upon which to seize, in order to evince the exact advance of the country in population and improvement. But a thousand circumstances, taken together, manifest the prodigious rapidity, with which the woods were silently filling with settlers. About this time, that great change in the political administration of the general government, about which so much feeling was excited at the time, took place; and the presidency passed from the hands of Mr. Adams to those of Mr. Jefferson. A new school of politicians of course came into power. The governor and a majority of the legislature belonged to the defeated party. This naturally was added, as a new source of disunion, to the territorial councils.

The third session of the territorial legislature convened, November 23d, 1801. There was little cordiality between the governor and the members, that thought, and acted with him, and the party, who claimed to be the true republicans, and who expressed devoted attachment to the administration of Mr. Jefferson. Early in the session, a proposition was brought forward to propose to congress a new division of the whole territory into states. The western state, it was proposed, should be bounded by the Mississippi, by the Ohio to the western boundary of lands granted to George Rodgers Clark and others; thence to the head of Chicago river; thence by that river to lake Mi-

Michigan; thence on a due north line to the dividing line between the United States and Canada; and by that line to the Lake of the Woods, and west to the Mississippi. It was proposed, that the middle state should be bounded west by the western state; south by the Ohio river to the mouth of the Scioto; by that river to the Indian boundary line; thence to the south-west corner of the Connecticut Reserve; thence due north to the Canada line; and west by that line to the first bound. The eastern state would of course remain to be bounded by the middle one, the Ohio river, and the Pennsylvania and Canada lines.

A law, making this proposition to congress, was passed on the 21st of December, 1801. As soon as it was known, it created great excitement in the country. The minority of the legislature protested against it, and arrangements were made to send on an agent to congress, to protest against the passing of this proposition into a law by congress. The agency was entrusted to Thomas Worthington, Esq. one of the minority in the house of representatives. According to his instructions, he proceeded to the seat of the general government, and succeeded in obtaining a law, authorizing the people of the eastern division of the territory, according to the original plan in the ordinance, to form a state government. The boundaries were so changed, however, as to exclude the Detroit country from having a part in framing the new government, reserving a right to attach the territory to the state at a future period, should it be deemed expedient.

This was a party measure. It was by no means certain, whether a majority of the people of the proposed state were, or were not attached to the Jefferson school of politics. A part of the Detroit country was populous, and was supposed to be decidedly hostile to Mr. Jefferson's politics. By excluding that country from all participation,

in forming the constitution, the charges of establishing, and supporting the new state would be rendered more burdensome. This furnished a theme for crimination of their opponents to those, who had reprobated the proposition to change the boundaries of the state. The whole measure was denounced, as an unprincipled political manœuvre.

The election for members to the convention took place in October. That body met on the first Monday of November, 1802. In the choice of the members, the distinction of Federalist and Republican had been set up, wherever there was sufficient diversity of sentiment to afford the parties the least prospect of success. The result of the election manifested, that a majority of the electors were of what was called the Republican party. Hence a majority of the members returned, were of that character.

Governor St. Clair attended the meeting of the convention, with the view of aiding in their organization. His presence was not acceptable. A proposition, made by him to address the body, was only carried by a vote of nineteen to fourteen. In his address the governor adverted with great severity to the circumstance of excluding Wayne county, including Detroit, from a share in forming the constitution. This was regarded by Mr. Jefferson, as a sufficient departure from propriety, to authorize his immediate dismissal from office.

The convention formed the present constitution of the state, which went into operation, in January, 1803. The first legislature under it met at Chillicothe, on the first Tuesday of March, 1803; and the new state was found to be strongly and decidedly ranged upon the side of Mr. Jefferson's administration. Very little political division existed, and the new government entered into its functions with wisdom, prudence and economy. It was a country,

furnishing materials naturally Republican. There were few individuals of great wealth, or preponderating influence, and few of abject poverty. This happy equality, that has prevailed among the people, naturally tended to prevent jealousies, and to inspire them with kindness and tolerance.

One of the first temporary legislative difficulties arose on the question, whether it was constitutional for the legislature to confer on justices of the peace jurisdiction in civil cases, over greater sums than twenty dollars? One of the president judges of the common pleas, and two judges of the supreme court pronounced opinions against the constitutionality of the law. They were impeached, and escaped conviction by a single vote. Out of this contest arose another. Judges are appointed for seven years. At the close of the first period of seven years, one president judge, and all the judges of the supreme court were in office under new appointments. It was made a question, whether a judge, appointed in place of one, who had died, or resigned, could hold the office for an original term of seven years, or only for the remainder of the term of his predecessor. A majority of both houses of the legislature inclined, as has been the general interpretation in such cases, to the weaker construction. The legislature proceeded to a new appointment of all the judges of the supreme court, and all the presidents. By this proceeding two judges of the supreme court, one president-judge, and several associate judges were displaced from office. For a time, this question very warmly agitated the public mind. The community acquiesced in the wrong, if such it was. But the principle has been abandoned in all subsequent legislation.

The selecting a permanent seat of government, as usual in the western country, called up sectional feeling, heats

and collisions. The sixth general assembly met at Chillicothe, December, 1807. One of the early acts of this assembly was, to provide for the promulgation of the legislative acts; and ordering the printing of fifty copies of the auditor's and treasurer's reports with the accompanying documents. Samuel Huntington, Esq. was governor of the state, from 1807 to 1810. There had been a long period of tranquillity with the Indians. Alarm was excited about this time by some hostile movements of the Indians on the frontier. But the apprehensions for this time proved to be groundless, and soon passed away. By reports duly authorized, the militia were proved to be badly armed, and organized. Measures were taken by this assembly to remedy this serious evil. Great numbers of local acts, as would be naturally required in a new state, so rapidly passing from the condition of a wilderness, were passed. They were such, as related to the erection of mill dams, the clearing out and repairing roads, and the incorporation of towns. A striking proof of the rapid growth of the state, in improvement and importance, in the years 1807—'8 and '9 is afforded by a review of the numerous legislative acts of that period. Great and little matters are mixed up in amusing incongruity. Beside enactments for the establishment of universities, libraries and literary societies, the erection of new counties, and the incorporation of charitable institutions and religious societies, are acts encouraging the making of salt, killing of squirrels and wolves, and for the prevention of firing the woods and prairies.

The seat of government having been removed temporarily to Zanesville, the ninth session of the general assembly was held at that place. The finances of the state seem to have been gradually improving. In the Zanesville session of 1810, the auditor of the state, in rendering his accounts, states, that the revenue was improving, and that

should the present order of things continue, the treasury would soon be able to meet all expenditures. At the opening of this session, Return J. Meigs, Esq. was declared governor.

In this session the governor presented a map of the falls of Ohio, with accompanying documents explanatory of the manner, in which it was proposed to remove the obstruction of the falls. The governor recommended in his message the consideration of the question, what kind of aid the state of Ohio ought to render, in carrying the proposed improvement into effect? The acts of this session continue to evince the powerful increase of population by the number of new counties created. Ohio was already beginning to become comparatively a populous country. In all cases the intercourse between Ohio and the general government manifested comity and good feeling.

About this time began to be seen the extravagant rage of this state for making new banks. The first state legislature incorporated the 'Miami exporting company bank' at Cincinnati. It soon established for itself an extensive and solid reputation. Subsequently, other banks were incorporated as follow: Two in Cincinnati; one in Chillicothe; one at Zanesville; one at Steubenville; and one at Warren. Ohio was a frontier state. The events of the war began to thicken upon the surface of this state, which was in fact one of its most considerable theatres. Great amounts of money were expended here, in consequence of the advance of the armies upon Canada. Ohio furnished supplies, and the plenty of money gave to every thing an artificial and unnatural value. Every community of a dozen members, thought they could institute a bank, and claimed a legal right to do it. Intelligent and provident men foresaw the evils, and the misery, which this order of things must ultimately entail upon the community. But public feeling

had taken them up, and the facility of making money by signing names to a piece of paper became too seductive, to be resisted.

We have recorded the most prominent events of the war in another place. Ohio was the theatre of some brilliant exploits, and of more disaster, humiliation, and suffering. Its frontier suffered incalculably. Much of its best and bravest blood flowed. No state in the Union manifested less dejection in defeat, or more prompt and patriotic purposes to fill the ranks anew, and furnish money and supplies. The character of Ohio, through this diversified and bloody struggle is marked with imperishable honor.

In the session of 1813, the growing evil of bank incorporations continued. Many religious societies were incorporated. Acts were passed to suppress gambling; and we ought to remark in passing, that a stern and honorable regard to good morals marks all the legislation of this state from the beginning. This state has been almost alone among her sisters in her enactments against the evils of lotteries. In this session an application was made to congress for an appropriation of lands on the frontiers of Ohio and Indiana, to encourage immigrants to settle in these portions of the country.

At the opening of the session of the legislature in 1814, Thomas Worthington, Esq. was declared governor. The accounts of the auditor prove, that the revenue of the state was fully adequate to its expenditures. A petition was presented to this assembly by the Germans, who are numerous, and have considerable communities in the state, requesting, that a number of the journals of assembly, and laws of the state may be translated into German, and printed in that language. An attempt was made in the legislature to put an end to the increase of banks. The plan proposed was to extend the charters of existing

banks, so as to enlist their interest against new applicants, and to enforce severe penalties upon private banking companies. A singular coincidence occurred to prevent it. The advocates of unlimited banking saw, that this plan would be destructive of their schemes. The enemies of banking establishments of all kinds saw in it a cunning manœuvre, to secure a monopoly for the existing banks. The plan was consequently defeated. During the session of this assembly, news arrived of the victory of the 8th of January, at New Orleans. The legislature resolved to illuminate the legislative hall, and to offer solemn thanksgivings by religious services.

A law was passed, February, 1815, imposing severe penalties upon unchartered banks. But the public feeling had so strongly identified itself both in interest and opinion with the impression, that banking was a common right, which it was illegal and tyrannical to restrain, that the prohibitory law was but a dead letter. Various new banks sprung up, and everyone could now see the tendency of the evil. In 1816, the plan proposed two years before, which was that of chartering certain banks, and prohibiting all others, was adopted. But in this time the list, which it was necessary to incorporate, had increased from ten to nearly thirty. Charters were refused to a number quite as secure on banking principles, as those, which had obtained them. The downfall, that ensued, was inevitable from the nature of things, and the same results of fraud and escape on the part of the crafty, and misery and ruin on the part of the simple and unsuspecting, was the result. A strong party existed in this state for adopting relief laws, like those, which under similar pressure had prevailed in the other western states. But the steady exertions of a few correct and practical politicians kept all these desperate remedies in check. Laws enforcing payment were partial-

ly relaxed in favor of the debtor, in 1819. But in a short time they returned to their natural operation.

At the session of the legislature of 1818, Ethan Allen Brown, Esq. was declared governor. In this session and that of 1819, we meet with no striking political landmarks. The natural progress of such a country in improvement of every kind, after the government is firmly established, and things have all found their bearings, is strongly marked by the multiplicity of enactments in regard to internal regulations and local affairs.

In November, 1819, the seat of government, which had been previously located by law at Columbus, was actually removed there. The legislature assembled at that place in December. Thomas Worthington, Esq., the same gentleman, who had acted so efficiently in procuring the admission of Ohio, as a state, into the Union, was declared governor. At that session of the legislature, a foundation was laid for the present state library. The manner of doing it not only reflects honor on the distinguished individual, through whose instrumentality it was procured, but tends to throw light upon the manner, in which literary concerns are obliged to be managed, in order to receive the patronage of the community.

Columbus was a new town, which had just sprung up from the forest. The public functionaries would naturally be exposed to great inconvenience, for want of books and other means of intelligence. To remedy this inconvenience, the governor suggested to some active and influential members of the legislature, that if they would procure the addition of 1,500 dollars to the contingent fund at the disposal of the governor, he would expend it in books, would arrange them in a room in the public offices, before the meeting of the next legislature; and if the measure should prove unacceptable to the legislature, he would

take the books on his own account. The plan was adopted; and thus a foundation was laid for the state library, which is now increased by yearly appropriations.

Among other political movements in Ohio, the controversy with the bank of the United States deserves a passing notice. This institution was created at the time when the bank mania was raging at the height of its violence. In December, 1816, a resolution was offered in the senate of Ohio, requesting the mother bank of the United States to locate certain branches in this state; but the resolution was withdrawn, in consequence of its being ascertained by the mover, that it might, probably, result in an amendment, declaring it unwise to locate branches in the state at all. Branches, however, were instituted in Ohio. The legislature passed a law to tax them, originally contemplating no other tax, than that imposed upon the banks of the state. This latter clause was not adopted. It is not improbable, that had this principle been admitted into the act, the tax might have been paid, and the subsequent unhappy controversy avoided. The state, though very unanimous in its measures, submitted to the decision of the Federal court, without giving any unnecessary vexation in the execution of the sentence.

The great work of internal improvement by canals, which is now in such triumphant progress in this state, was in contemplation here at an early day. At the first session of the state legislature, a law passed, authorizing a lottery to raise money to improve the navigation of the Muskingum and Cuyahoga rivers. But lotteries had never been popular in this state; and it did not succeed. Still the community here never lost sight of the subject. Resolutions, authorizing examinations, with a view to constructing a canal, were introduced into the legislature, in Janu-

ary, 1817, and, after some discussion in the house of representatives, were suffered to sleep on the table.

At the session of 1817, the legislature took up the subject of the New York canal, then in its commencement. They passed a resolution, asserting the importance of the work, and their conviction of its practicability. They directed the governor to correspond with Mr. Clinton upon the subject. At that day, it was the opinion of many superficial politicians, that the magnificent project was a mere chimera, got up by Mr. Clinton for political effect. It was treated with ridicule under the name of 'Clinton's big ditch.' The opinion expressed by Ohio was elicited by a letter from Mr. Clinton, then president of the 'New York canal board,' to governor Worthington; and this opinion is supposed to have had a favorable bearing upon the measure. It is evidence of the sagacity and intelligence of the public men of the state, as is now amply demonstrated by the success of the work. We add the letter and report, as interesting documents, touching the origin of the greatest national work ever undertaken in the West.

Hon. De Witt Clinton's letter, above alluded to, dated Albany, November 11th, 1816.

SIR—By an act of the legislature of the state of New York, passed at their last session, a board of commissioners was constituted for the purpose of ascertaining the practicability of connecting by a canal, the navigable waters of the Hudson river with lake Erie. As the organ of that board and in compliance with the requisitions of said act, I beg leave, through you, to solicit the attention of the honorable the legislature of the state of Ohio, to this interesting subject.

A careful examination, by competent engineers, of the route of the contemplated canal, fully authorizes the belief that it can be made at an expense, which, although considerable, will be vastly overbalanced by the utility of the object—a facility in the transportation to market of the abundant productions of the West—a rapid and easy interchange of commodities of foreign and domestic growth—an increasing activity in commercial and agricultural pursuits, and a consequent enhancement in the value of lands, are some of the most obvious benefits to be realized from a communication between the great lakes and the Atlantic, by means of a navigable canal.

Nor can it be disputed, that from the local situation of the state of Ohio, the luxuriance of her soil, her growing wealth and increasing population, she will be among the first to enjoy these advantages.

As the citizens of the state of Ohio, in common with those of the state of New York, will enjoy the benefits of this improvement in the means of intercommunication, it seems to be the dictate of justice, that, with them, they should also participate in the expense.

Distinguished for patriotism and liberality, the legislature of that state are therefore respectfully invited to partake, with New York, in the lasting advantages and immortal honor resulting from the accomplishment of an object so important. With sentiments, &c.

DE WITT CLINTON,

President of the Board of Canal Commissioners.

His Excellency the governor of Ohio.

‘The joint committee to whom was referred the communication of his excellency, the governor, of the 11th ult. together with the accompanying letter from the Hon. De Witt Clinton, on the subject of the contemplated canal

from lake Erie to the Hudson river, have had the same under consideration and now submit the following report:

‘From a view of the subject submitted to their consideration, your committee are fully impressed with the belief, that the making of a canal from the Hudson river to lake Erie, is an object of the first importance to this state, and the United States in general, both in a commercial and in a political point of view. The facility which it will afford to the exportation of the surplus produce of our luxuriant soil, and the consequent encouragement of agricultural and commercial enterprise are effects too obvious to pass unnoticed, and of too much importance to be neglected, as affording a safe, easy and expeditious mean of mutual interchange of commodities between different sections of our common country; highly advantageous to all, as increasing the commercial connections, friendly intercourse, and ties of interest; and by these means strengthening the bonds of union between remote parts of the nation. The contemplated canal presents advantages vastly superior to those resulting from any work of the kind accomplished by the industry of man in any age or country. From a geographical view of the state of Ohio, extending for a great distance on its northern frontier, along the extensive navigable waters of the St. Lawrence, presenting all the advantages of a northern market, and washed on the eastern and southern boundaries by one of the great branches of the Mississippi, affording an easy access to a southern market, and a facility in obtaining the various productions of the south, connecting the northern with the southern, and the western with the Atlantic states; considering its happy climate and the luxuriant fertility of its soil, intersected by navigable rivers and unbroken by mountains, we are struck with its natural advantages, which, if improved

by an enlightened and liberal policy, will render the situation of Ohio inferior to that of no state in the Union, or country in the world. Among these improvements, the contemplated canal is unquestionably of the first importance. Sensible that a work of such magnitude can not be effected without the united and vigorous exertions of those interested, and fully impressed with the belief, that the greatest advantages will result to the United States generally, and particularly to the state of Ohio, as well as the state of New York, from the completion of the contemplated canal; your committee are clearly of opinion that true policy, as well as justice, require the state of Ohio to lend its aid to the accomplishment of a work of such incalculable utility. We are at the same time sensible, that the funds of this state will not permit us to aid in the undertaking in that proportion, which might be expected from the relative population of the state.

Your committee have had no accurate means of ascertaining the probable expense of the proposed canal. But from the best information, they have been able to obtain, they are induced to believe that the work is not only practicable, but can be accomplished at an expense within the reach of those interested, and from the enterprising spirit and enlightened policy of the state of New York, they feel little hesitation in believing, that it will be undertaken.

Your committee are at present unable to point out, or recommend any particular method of aiding in the proposed work, not being in possession of any information relative to the system or plan which may be adopted by the state of New York for effecting the object.

Your committee respectfully submit for consideration, the following resolutions:

Resolved by the general assembly of the state of Ohio, That this state will aid as far, as its resources will

justify, in making the contemplated canal from lake Erie to the Hudson river, in such manner as may be deemed most advisable, when the plan or system which may be adopted by the state of New York, for the accomplishment of that work may be known; and that his excellency the governor be requested to open a correspondence with the Hon. De Witt Clinton, or such other persons as he may think necessary, and take such other means as he may deem advisable, in order to ascertain the practicability and probable expense of making said canal, the probable time when the same will be commenced, the plan which may be adopted to carry it into effect, and such other information as he may deem important or useful, and communicate the same to the general assembly at their next session.

Resolved, That his excellency the governor be requested to transmit a copy of the foregoing report and resolution to the executive of the state of New York, and to the Hon. De Witt Clinton, president of the board of commissioners for the canal from lake Erie to Hudson's river.

January, 27, 1817.

As incidental proofs of the utility of canals in transportation, it was communicated to the legislature, that gypsum had been found in great quantities along the New York canal, on the shores of the upper lakes, and in the state of Ohio, on the shores of Sandusky bay. In the session of 1820, important acts were passed for the encouragement of domestic manufactures; and an act, providing for the support and regulation of common schools. A generous effort was subsequently made, to introduce the admirable school system of Massachusetts and Connecticut into this state. Though these efforts have not yet prevailed, to the extent that could be wished, there is

reason to hope, that at some future day, they will go into complete effect. Since that time, the march of the state in improvement has been steady and unremitting. We have given in another place statements of the progress of the two great Ohio canals. At the present period, Ohio, in the stamina of true strength and greatness, in the extent of her industry, in the growing amount of her manufactures, in the regular advance of her population, in the numbers and organization of her militia, and in her general spirit, intelligence and improvement, is entitled to rank among the first states in the Union.

WEST PENNSYLVANIA.

As we have seen, that part of Pennsylvania, that is watered by the Ohio and its branches, is situated west of the great dividing ridge of the Alleghanies, that separates the waters of the Atlantic from those of the Ohio. Among these ridges the principal are Peter's mountain, Tuscarora mountain, Sideling hill, Jack's mountain, and Bald Eagle ridge. West of these is the Great Alleghany ridge, which separates between the eastern and western waters. The base of this ridge is 1,000 feet above the level of the sea, and the elevation of the mountain above the base is from 1,000 to 1,500 feet. It is believed, that about one-third of the surface of Pennsylvania is west of these mountains, and watered by the Ohio and its waters. The face of the country generally is hilly, rolling, and in some places mountainous. Except in the regions about lake Erie, very little of West Pennsylvania can be called level. In this part of the state are the following counties. Westmoreland county, population 30,288; chief town, Greensburg, 771; Fayette county, 26,385; chief town, Union, 1,058; Green, 15,293; Waynesburg, 298; Washington, 39,291; Washington, 1,630; Armstrong, 10,282; Kittanning, 317; Venango, 4,887; Franklin, 252; Crawford, 9,356; Meadville, 649; Warren, 1,975; Warren, 182; Mercer, 11,590; Mercer, 506; Butler, 10,180; Butler, 225; Beaver, 15,234; Beaver, 261. To these we may add Alleghany, 34,226. Pittsburg, contained by the census of 1820, 7,248,

and is now computed to contain 12,000, making a total of 186,000. To these we may add a very considerable intermediate population along the valleys of the mountains, that more properly belong to the Western, than the Atlantic country; so that, probably, at the census of 1820, West Pennsylvania may be supposed to contain considerably more than 200,000 inhabitants.

There is a college at Cannonsburg, in an elevated and pleasant situation. It is an institution of considerable importance, but too near the college at Washington, to allow the supposition that both the institutions can flourish. The college edifice makes a respectable appearance. The college at Washington is situated in that pleasant village, in the centre of a populous and thriving country. It has a collegiate foundation, and considerable funds, and endowments, and has graduated between twenty and thirty students in some years.

The system of common schools in West Pennsylvania does not materially differ from that east of the mountains. There is less inequality of condition among the people, and the modes of conducting schools are more similar to those of New England.

They are generally a hardy, robust, and industrious race of people in their habits, pursuits, and modes of thinking, as well as in their persons, much resembling the people of New England. The climate, though something milder, is not very much unlike that of Connecticut. The people, like those of New England, are generally addicted to habits of religious worship, and to connecting themselves with some religious society. Their trade is with Pittsburg, or Canada, and New York, by the way of lake Erie. Besides the county towns, mentioned above, West Pennsylvania contains the following considerable villages. Connelsville, on the east side of the Youghiogeny, is noted

for the important mills and manufactories in its neighborhood, and contains 600 inhabitants.

Brownsville is situated on the east side of the Monongahela river. The great national road passes through it. It is surrounded with fine orchards, and fields, in a rich, picturesque and romantic country; and has some fine stone buildings in and about it. It contained, in 1820, 771 inhabitants. It probably now contains 1,000. Bridgeport is a village, opposite to Brownsville, and contains 624 inhabitants. Cannonsburg is on the west side of Chartier's creek, eight miles north of Washington. It is surrounded by a hilly, but fertile country; and contained in 1820, 630 inhabitants. Erie, beautifully situated on the south side of lake Erie, is a thriving village, containing, in 1820, 632 inhabitants. It is a stopping place for steam boats, that pass upon the lake. It used to be called Presq Isle. It is the seat of justice for Erie county, and is in N. latitude $42^{\circ} 21'$, 120 miles north of Pittsburg. A portage from the lake to the navigable waters of the Alleghany river, commences here. The distance is fifteen miles; and the two places are connected by a turnpike. Immense quantities of salt used to be transported over this portage. It was brought from the great Saline in New York; and was sent down the Ohio, for the supply of the country on its waters. But salt is now made so cheaply, and abundantly on the Ohio, and its waters, that this trade is in a great measure suspended. A great deal of trade, however, still passes this way, both that of articles for New York from the western country; and of articles sent from New York to the western country. In the year 1809, 52,000 barrels of salt were sent across this turnpike to Pittsburg.

Waterford is situated on the north bank of French creek, a considerable river of the Alleghany; and is the place where the portage from Erie terminates. It is a village of con-

siderable business, and has a post office, a number of stores, inns, and commission warehouses; and is fifteen miles south of Erie. Meadville is on the east bank of French creek; and has several stores, inns and public buildings; a post office, and printing office, two churches, and a college, which is a respectable seminary, under the care of the Rev. Mr. Alden. Dr. Bently, late of Salem, Massachusetts, bequeathed a very considerable library to this college; and it is at present in a flourishing condition. Franklin, Kittanning and Freeport, are inconsiderable villages between this place and Pittsburg. We have already remarked, that a considerable tract of country, in the south-west angle of New York, is watered by the head waters of the Alleghany. It is in New York principally, and along the upper courses of the Alleghany, that are found those deep and noble pine forests, whence are carried the boards and lumber, which supply the greater part of the demand for this article in all the western country, and quite to New Orleans. It is supposed, that nearly 30,000,000 feet of plank have this year descended the Alleghany. In return, keel boats carry back whiskey, iron, castings, cider, apples, bacon, and many other domestic articles. The brig Dean, and the Sally Ross, and several other vessels of burden have been launched on the Alleghany, and have descended thence to New Orleans. The Alleghany is 400 yards wide at its mouth. Among the natural curiosities in this region is Oil creek, which enters into the Alleghany. The spring source of this creek yields great quantities of bituminous, or unctuous matter, like petroleum; and probably is that substance. It is taken internally, as a medicine; and the rheumatic find relief, by bathing the joints affected with that complaint, with this oil. Many people at Pittsburgh keep this oil in

bottles, and attach much confidence to it, as containing some mysterious efficacy.

All parts of the western country seem admirably accommodated the one to the other; the one part supplying what the other wanted. The country on the Alleghany is much of it broken, sterile, and not calculated to become a rich farming country. It contains inexhaustible supplies of the finest lumber; and innumerable mill seats. Pittsburg, and the country below it, can amply supply all the wants of this region, as regards produce, manufactures and articles of iron fabric. In return, mills with water power, are very uncommon about Pittsburg; and the adjacent country naturally calls for the lumber of the Alleghany.

In describing the Alleghany and its waters, we have named the principal streams from Pennsylvania and New York, that swell that fine river. There is one creek, that we have not mentioned; a tributary of the Alleghany, that deserves mention were it only for its name, *Muhulbuctum*.

Pittsburg, in the extent of her manufactures, is the only rival of Cincinnati in the West. In population, wealth and importance it is next to that city; and the third in the valley of the Mississippi. A more charming spot for the site of a city could scarcely be selected. When either the town is viewed from the surrounding hills, or in the verdure of summer those hills are seen from the town, the contrasted picture is delightful. No place is surrounded by more charmingly rounded and romantic hills; and the boundless view of hill and dale, the Alleghany bringing down its northern tribute on the one hand, and the Monongahela its southern offering on the other, the singular bluffs of these rivers, their junction, the broad and beautiful Ohio, calmly commencing its course of 1,000 miles, and winding away among its deep forests, and its

shores shaded by noble sycamores, the town, its surrounding villas, and the whole scene taken together, as seen from the adjoining hills, constitute as fine a landscape, as can well be imagined. The town is built on an alluvial plain, in the Delta of the two rivers, and where they unite to form the Ohio. Over the Alleghany is a high and beautiful plain bounded in the distance by bold and rugged hills. The coal hill, across the Monongahela, rises more than 300 feet; and almost perpendicularly impends a town, between it and the river. On the Monongahela side is a manufacturing village, called Birmingham; and to match it, on the Alleghany side they have built a town called Manchester.

It is well known that the site of this town was selected, at an early period in the French wars, as an important point in the great chain of posts, which was to connect Canada with Louisiana. It had been, for a considerable time, a depot of French goods for the savages; a place of outfits for the trade of the Ohio, and a military post, to defend the country against the occupaney and settlement of the English; and to secure to the inhabitants the monopoly of the trade with the savages, when Braddock was sent to dispossess the French, and capture the post of fort Du Quesne, as it was then called. After the fatal battle, in which he was mortally wounded, and in which Washington gained his first laurels, colonel Grant, with 800 Caledonians, was defeated here on the hill, which still bears his name. Not long after, it came into the possession of the British, and they built a fort at the expense of 60,000 pounds sterling. It was built under the superintendence of lord Stanwin. In 1760, a considerable town arose about the fort. Beautiful gardens and fruit orchards were planted; but on the breaking out of the Indian war, in 1763, the inhabitants again retired into the

fort. The present town of Pittsburg dates back to 1765. Its plan was enlarged, and it was re-surveyed, in 1784. It then belonged to the Penn family, as a part of their hereditary manor. By them it was sold. The Indian wars, and the troubles in the western country prevented its rapid growth, until the year 1793. Since that time, it has increased at the same pace of improvement with the most growing towns of the West. Its public buildings are a large brick court house, a market house, a handsome episcopal church, a large presbyterian church, a German Lutheran church, a seceders' church, a catholic chapel, and one or two smaller places of worship. It is compactly, and some streets are handsomely built; although the use of pit coal, for culinary and manufacturing purposes, has carried such quantities of the fine black matter, driven off in the smoke into the air to be deposited on the walls of the houses, and on every thing, that can be blackened with coal smoke, as have given the town a funereal and gloomy aspect, that is at first view particularly repulsive. The beauty, however, of its situation, its advantages as a manufacturing town, and its acknowledged healthfulness, will continue to render it a place of attraction for builders, manufacturers and capitalists. It has an academy, a number of English schools, a seminary for young ladies, three banks, and a small theatre. For some years back, the progress of the town was slow, and even retrograde; but it has recently started anew; and is now increasing in population, resources and manufactures with great rapidity. The present population is rising of twelve thousand.

The following is an enumeration of the manufactories in 1810. One steam flour mill, on a great scale; three carding and spinning mills; one mill for grinding flat irons; two distilleries; three breweries; four brick yards; two air furnaces; three lead factories; six naileries; three

glass establishments, one for green, and two for white glass; two potteries; two gunsmitheries; three tobacco factories; sixteen looms; six tanneries; seventeen smitheries; four coopers' establishments; eight chair and cabinet makers; a great number of saddlers, and boot and shoemakers; the exact number not given; ten hatters' establishments; four silversmiths' and watchmakers' shops; six copper, brass, and tin factories; three stone cutters; three boat and ship builders' establishments; two wagon makers; three chandlers; one rope walk; one button factory; one stocking weaver; one cutlery; one glass cutting establishment; one wire weaving shop; all these establishments have increased, no doubt, in number and importance, since that time.

At the present time the following articles are manufactured on a great scale. Iron mongery of every description. The amount of this article, in the greater and minor branches, is prodigious. Steam engines, and enginery, and iron work in general are manufactured on a great scale. Cutlery of all descriptions; glass and paper are important items in the manufactures of this place. Cotton, and woollens, pottery, and chemicals, tin, and copper ware are manufactured, and exported to a great extent. Boat and steam boat building have been pursued here on a greater scale, than in any other town in the western country. In the year 1814, 4,055 wagons of four and six horses, employed, as transport wagons, passed between this place and Philadelphia. Boats of the smaller kinds are continually departing down the river at all seasons, when the waters will admit. In moderate stages of the river, great numbers of steam boats arrive, and depart. Of course, this place transacts a great amount of commission business for all the western country. Great contracts are continually ordered from all the towns on the waters

of the Ohio and Mississippi, for machinery, steam boat castings, and the various manufactories, that this city supplies. The inexhaustible supplies of excellent pit coal, in all directions in the coal hills about the town, furnish great facilities for keeping in operation the great numbers of steam manufactories. The coal costs little more, than the simple expense of digging; and there is no fear, that the supply will either fail, or become difficult to procure. The present amount of the value of manufactures is supposed to be not far from 2,000,000 dollars annually. The market is rich, and abundant; but much higher, than in the towns lower down the Ohio. It is believed, that the expense of articles in the Pittsburg market will compare pretty accurately with those of Philadelphia. It is still a place of great resort for emigrants descending the Ohio. It has the disadvantage of having the river shallower, in low water than at Wheeling. Flat and keel boats can descend the river from the latter place, in stages of water; that would not admit of it from the former place.

Pittsburg is more entirely a manufacturing place, than Cincinnati; and more so than any other place in the West, or perhaps in America. It deserves the name, that has so often been bestowed on it, the Birmingham of America. Its prosperity probably depends less on the fluctuations of the markets, the changes of the times, and the vicissitudes of peace and war, than any other town in our country. Its manufactures are of articles of prime importance, and vital necessity, which must be consumed in all changes of times; and which this city, from its extensive operations, from its long practice and experience, and from the skill and practised talents of its manufacturers, can furnish on as good terms, as any other place.

The inhabitants are a mixture of all nations. Germans and Irish predominate. But there are great numbers of

English, Scotch, French, Swiss, &c.; mechanics and artisans, who come here to bring their mechanical skill and industry, to a better market, than they could find in the old world. The habits of the people of the place are those of persevering industry, calculating carefulness, distrust of strangers, and a fixed purpose to look to their individual interests. They are of all the different denominations of religion, and as moral, as could be expected of a people, so situated. Luxury, splendor and display are not much in fashion here; and the habits of the people are frugal and economical.

Pittsburg is the seat of justice for the county of Alleghany; and is situated in N. latitude $40^{\circ} 35'$, W. longitude $4^{\circ} 40'$ from Philadelphia; three hundred miles northwest from Philadelphia; 252 from Washington; 335 from Lexington, Kentucky; 1,100 from New Orleans by land; and 2,000 by water.

WEST VIRGINIA.

WEST VIRGINIA, probably, bears a smaller proportion to the surface of the whole state, than the portion of the above mentioned state west of the Alleghany mountains, does to Pennsylvania. The Alleghany ridge here as in Pennsylvania, separates the waters of the Ohio from those of the Potomac, and the Atlantic. The name of the principal ranges, beyond this continued chain, are Chesnut ridge, and the Gauley mountains. The face of the country is very similar to that, which we have been describing. A considerable portion of it is covered with lofty and precipitous mountains, and valleys embosomed in them. There is, however, much cultivable country. Many of the hills have table summits, and are capable of cultivation. On the whole, it may be called a hilly country, with a salubrious atmosphere; and the people are tall, muscular, laborious and frugal in their habits; having a much greater resemblance, in their general manners, and habits to the people of New England, than to the Virginians east of the mountains. In the dialect of the country, a dialect, however, of universal use in the West, this people, west of the mountains, are called 'Cohoes,' and those east of the mountains 'Tuckahoes.' Some of the planters have considerable gangs of slaves; but it is far more common, that the labor of the family is performed by the members of it. The people are more in the habit of forming themselves into religious societies, and attending public

worship, than the people of the state east of the mountains. The staple products are wheat and the grains. It is a fine country for orchards; and there is considerable attention paid to the cultivation of fruit. This country comprises the following counties, with the population by the census of 1820, exclusive of the slaves. Wood, 4,998; Mongalia, 10,368; Harrison, 10,300; Randolph, 3,166; Mason, 4,225; Pendleton, 4,454; Bath, 3,965; Green Briar, 5,170; Monroe, 6,009; Kenhawa, 5,297; Tazewell, 3,435; Giles, 4,174; Montgomery, 7,447; Washington, 10,393; Brooke, 6,190; Ohio, 9,182.

There are parts of other counties among the mountains, that properly belong to West Virginia. We think that the whole of the population of this state, that properly belongs to the western country, may be estimated at 100,000 inhabitants. A great many streams rise in the mountains, and fall either into the Monongahela, the Kenhawa, or the Ohio. The Kenhawa is the only river of any great importance. It rises in the Alleghany mountains. One of its principal branches, the Green Briar, almost interlocks with the head waters of James' river, and with those of the Holston of Tennessee. The river is 400 yards wide at its mouth, and in moderate stages of the water, is boatable by large boats to the falls, seventy miles above its mouth. There are the most extensive Salines in the western country. There are a great number of furnaces constantly evaporating the water. The water is found for a considerable distance round the works. To obtain it they bore from 100 to 200 feet deep in the earth. The water is so strongly saline, that from ninety to 130 gallons only are required for a bushel of salt. It is remarkable, that in boring for this water, when the auger had pierced the different strata of earth, and had reached the salt water, it spouted up twenty feet in the air. The quantity, made at

present at these works, is from 200,000 to 300,000 bushels annually. It is, indeed, a kind and a wonderful provision of providence, that such an ample and easy supply of an article, so important and indispensable, should have been thus bountifully supplied by nature, at such remote distances from the sea.

Chief Towns. Wellsburg, formerly called Charlestown, is the county seat of Brooke county. It is handsomely situated on a high bank of the Ohio. It contains 100 houses, a court house, jail, post office, academy, a number of inns, several stores, two or three large ware houses, from which are shipped large quantities of flour for the market at New Orleans. There are a number of valuable merchant mills in this vicinity, that ship their flour from this place. It is a place of considerable embarkation on the Ohio. Some considerable manufactures of earthen, or stone ware are carried on here. It is situated fifty miles southwest from Pittsburg.

Wheeling is the county town for Ohio county. It is situated on a high and gravelly, but alluvial bank of the Ohio, a little above the mouth of the very considerable creek, called Wheeling creek. The town is surrounded by bold and precipitous hills, which are generally covered with a fine verdure, and contain inexhaustible quantities of pit coal. These hills come in so near the river, as to leave rather a small area for the town. The great national road from Baltimore terminates here; or rather is continued on the opposite side of the Ohio. Stages and public roads connect it with Pittsburg. It is the first town on the Ohio, where certain embarkation, in small flats or keels may be calculated upon in low stages of the water. It has a fine surrounding country. There is a great deal of rich land back of it, along Wheeling creek. These circumstances, united to its very favorable position on the Ohio,

impart many advantages to Wheeling. Of course, few towns on the Ohio have grown more rapidly. A number of mail stages arrive and depart here: and its situation in regard to the Ohio, and the national road, cause, that it is a place of great and constant resort for travellers. It has a court house, a jail, a banking house, a presbyterian and a methodist church, a market house, a book store, a printing office, a Lancastrian academy, a library and a number of inns, some of them highly respectable. It has a large number of stores, and commission ware houses; 300 dwelling houses, and about 2,500 inhabitants. It has manufactories of earthen ware, and a number of considerable establishments of mechanics of the common kind. Flat and keel boats are built here; and recently a number of steam boats of the first class. There are many reasons to suppose, that this place will eventually become one of the most considerable on the Ohio. The other villages, in West Virginia, on the Ohio and its waters are Belleville, Point Pleasant, Greenville, Abingdon, Jeffersonville, Franklin and Jonesville.

MICHIGAN TERRITORY.

LENGTH, 250 miles. Breadth, 135. 33,750 square miles. 21,600,000 acres. Between 41° 31' and 45° 40' N. latitude; and between 5° 12' and 10° W. longitude. Bounded on the North by the straits of Michilimackinack; East by lakes Huron, St. Clair, and Erie, and their waters; South by Ohio and Indiana; West by lake Michigan. It is a large peninsula, something resembling a triangle, with its base resting upon Ohio and Indiana. Three quarters of its extent are surrounded by the great lakes Huron, and Michigan. It is generally a very level country, having no mountains, and not many elevations, that might properly be called hills. The centre of the peninsula is table land, elevated, however, not many feet above the level of the lakes, and sloping in every direction to them. But, though the general surface of this territory is level, there is far less swampy and wet surface, than in the northern belt of Ohio, adjoining the lakes. The country is divided into nearly equal proportions of grass prairies, like those of Indiana and Ohio, divided into wet and dry; and extensive and deep forests of trees of nearly the same classes with those in Ohio; except, that here, there is an intermixture of white and yellow pine. A considerable belt of land, along the southern shore of lake Michigan, is sandy, and sterile; and so swept by the bleak and desolating gale of the lake, as not to promise much in the way of cultivation. But a very considerable proportion of the lands of this territory

are of excellent quality; and it promises one day to become a populous country. The productions are the same as those of New York. Orchards flourish remarkably, and this will undoubtedly become a fine fruit country.

Rivers. This is a country watered by almost innumerable rivers and branches. From the levelness of the country, they are generally boatable, almost to their sources. As a general remark, it may be said, that these rivers abound in the fine fish of the lakes; and the fisheries on them are no inconsiderable source of supply to the new settlers. We can only mention a few of the most important ones.

Grand river is supposed to be the largest river, that enters lake Michigan. It rises in the south-east angle of the territory, and interlocks at its sources, or on its passage, with the waters of Raisin, Black, Mastigon, and Saganum; and enters the lake, twenty miles north of the Raisin. It courses through forests and prairies abounding with game; and its bosom, at the proper seasons, is covered with wild fowls. Small boats reach its source, and by this and Huron rivers, periogues pass from lake Michigan to lake Erie. It has been proposed to connect it by a canal with the Saganum of lake Huron.

The St. Joseph heads in Indiana, and interlocks, as we have seen, with Black river, St. Joseph's of the Miami, Eel river, and Tippicanoe of the Wabash. It has a strong current, and is full of islands; is boatable 150 miles; and is 200 yards wide at its entrance into the lake. There are most abundant fisheries on it. The Raisin derives its name from the great numbers of grapes, that grow on its banks. Black river, Marame, Barbue, White, Rocky, Beauvais, St. Nicholas, Marguerite, Monistic, Aux Sables, Lasiette, Grand Traverse, Thunder river, Sandy, Saganum, St. Clair, Belle, and Huron are considerable streams,

that empty into the lakes. These rivers, like those of the gulf of Mexico, before they enter the lakes, expand into considerable basins, caused, no doubt, by the conflict between the current of the rivers, and the surf of the lakes, meeting in a level and sandy soil. In the proper season, they are covered with the most abundant harvests of wild rice; and with innumerable flocks of wild fowls, that come here to feed upon it.

There are still a great many Indians, that reside in this country. But the tide of white immigration has recently set strong this way; and the banks of the Huron, and the Raisin are rapidly covered with the clearings of the settlers. The strait of St. Clair, connecting that lake with lake Huron, is twenty-six miles long. It runs through a country, partly prairie, and partly forest. Deep groves of beautiful white pine are found along this strait. The strait of Detroit, connecting lake Erie and St. Clair, is twenty-four miles. It is navigable for large vessels, is studded with islands; and is one of the most beautiful sheets of water in the world. Its current is nearly three miles an hour. It receives the rivers Rouge, Ecorce, Magaugua, and Brownstown. Five miles above the mouth of the Rouge, is a ship yard. It has excellent lands on its banks. South of Huron river, the river Aux Cignes, Rocky creek, Aux Sables, and some other small streams enter the lake.

Raisin derives importance from the circumstance, that it is more settled, than any river in the country, except Detroit. It has also obtained a melancholy celebrity from the events of the late war. It has at its mouth extensive prairies, and wide tracts, covered with wild rice. The French settlements on this river are conformable to their customs in Canada, Missouri, and Louisiana; that is to say, they are laid out in long and narrow parallelograms, two or three arpens wide in front, and from forty to 100

arpens deep. In this way they gratify their propensity for society, by having the fronts of their plantations resemble a continued village. There are fine orchards on this river. Its banks are covered with grape vines, and from the abundance of its grapes it receives its name.

Michilimackinack island is situated in the north-west angle of lake Huron in the straits between it and lake Michigan. It is considered among the most impregnable fortresses on the northern frontier. The British gained possession of it, during the late war. It derives its name from an Indian word implying 'the back of a tortoise,' which, in its form of rising from the lake, it is said to resemble. The island is nine miles in circumference. The village stands on the south side of it, and on rising grounds back of it, the fort is situated. This is one of the most remote northern settlements in the United States. The fortifications are of great strength. The population of the island and its vicinity is 819. The islands in lake Michigan are as follow; Manitou island, near the eastern coast, is six miles long and four wide. The Castor islands extend from Grand Traverse bay nearly across the lake. Grosse isle is five miles long, and from one to two wide. Bois Blanc is in front of Malden, and has been possessed by the British; and is one of the points of territory in question between our government and theirs. The bays on the east side of lake Michigan, are Sable, and Grand Traverse. Those on the Huron coast are Thunder and Sagana. The last is forty miles in extent in one direction, and from eight to twelve in the other. Maumee bay resembles a lake; and is situated at the mouth of Maumee river. It is eighteen miles in circumference. In the interior of this territory are great numbers of small lakes and ponds, from which the rivers have their sources. The strait, which connects lake Huron and lake Michigan, is called

Lac des Illinois, is fifteen miles long, of an elliptical figure, and subject to a tide, which has sensible fluxes and refluxes. The Indians, that reside in this territory, are chiefly the following: Ottawas, Miamies, Pottawatomies, Chippeways and Wyandotts. By different treaties they have made cessions of the greater part of the lands in this territory to the United States. They still retain considerable tracts of fine country; and have many reservations and villages, even among the settlements. Some of them have made no inconsiderable advances in cultivation, and the arts of civilized life. Most of the converts to Christianity in this region profess to be Roman catholics. The protestants have recently established missionary stations and schools among them. The savages of this region suffered much during the late war; and their numbers are clearly diminishing.

The climate of this region, in consequence of its being level, and peninsular, and surrounded on all sides, but the south, with such immense bodies of water, is more temperate and mild, than could be expected from its latitude. The southern parts have mild winters, and the spring opens as early, as in any part of the United States, in the same latitude. The position of the northern parts must subject it to a Canadian temperature. The winter commences here early in November; and does not terminate except with the end of March. At Detroit, in 1818, the mean heat of January was 24°, and in 1820, the mean heat of July was 69°, and of December 27°. At Mackinack, the most northern settlement in the United States, the mean heat of October was 45°; of November 32°; and of December 21°.

Civil Divisions.

<i>Counties.</i>	<i>Whites.</i>	<i>Free blacks.</i>	<i>All others.</i>	<i>Total.</i>
Brown,*	951	1	0	952
Crawford,*	345	16	131	492
Macomb,	890	2	0	898
Monroe,	1823	3	0	1824
Michilimackinack,	844	5	0	849
Oakland,	321	9	0	330
Wayne,	2086	66	0	2152
City of Detroit,	1355	67	0	1422
	<hr/> 8591	<hr/> 174	<hr/> 131	<hr/> 8896

Agriculture, Manufactures, Exports, &c. The eastern parts of the territory, from various circumstances, became first settled. Within the three last years a great mass of immigrants have begun to spread themselves over this fine and fertile country. Situated, as it is, between the west, the south, and the east, with greater facilities for extensive inland water communication, than any other country on the globe, with a fertile soil, of which millions of acres are fit for the plough, with a healthful climate, and with a concurrence of circumstances, inviting northern population, there can be no doubt, that it will soon take its place, as a state, and rival its western sister states. Wheat, Indian corn, oats, barley, buck wheat, potatoes, turnips, peas, apples, pears, plums, cherries and peaches are raised easily, and in abundance. It is a country, more favorable to cultivated grasses, than the western country. In short, it is a country, peculiarly fitted for northern farmers. No inland country, according to its age, population, and circumstances, has a greater trade. A number of steam boats and lake vessels are constantly plying in this trade,

* The counties of Brown and Crawford are in the North West Territory.

which is with Mackinack, Detroit, Chicago, and Ohio.—The amount of foreign exports, in 1821, was 53,290 dollars.

Chief Towns. Detroit is the political metropolis, and the only town of much size in the territory. It is situated on the western bank of the river Detroit, eighteen miles above Malden in Canada, and six miles below the outlet of lake St. Clair. The banks are twenty feet above the highest waters of the river. The plain, on which it is built, is beautiful, and the position altogether delightful and romantic. The streets are wide. The houses are of stone, brick, frame and logs; and some of them make a very showy appearance. Three of the principal streets run parallel with the river, and are crossed at right angles by six principal cross streets. Several wharves project into the river. The United States' wharf is 140 feet long, and a vessel of 400 tons burden can load at its head. The public buildings are a council house, state house, United States' store, presbyterian church, a Roman catholic chapel, and some other public buildings. There are a number of stores; and others are building. Rents and the value of lots are rising; and the town exhibits marks of rapid population and improvement. It was almost entirely consumed by fire, in 1806; and the appearance of the new town is much superior to the old one. It is a place of great and constant resort of the Indians; and here the greatest numbers and the fairest samples of the northern tribes are seen. Though the lake boatmen, the *coureurs du bois*, and the hunters of the northern wilderness are not exactly the Bedowin Arabs, and the frightful scarecrows, that Volney has described, it must be admitted, that living in the woods, being exposed to the heats and colds of the climate, and rowing on the rivers and lakes under the direct rays of the sun, are things not favorable to com-

plexion and appearance; and Detroit can show many inhabitants sufficiently *outré* in their costume, and who have nothing in their appearance to recommend them. Respectable schools are now established here. A public journal issues from the press. Libraries are in contemplation. It must continue to increase with the influx of immigrants, and the extension of back settlements. It is the chief depot of the shipping of the lakes. A steam boat plies between it and Buffalo. The operation of the Erie canal has been favorable to the business and importance of this town, and of the whole country. The finishing of the Ohio canal will still farther enhance its business and prosperity. Detroit is evidently destined to become a considerable town. In 1820, the population was given at 1,422. The one half of these are French, the other half Americans; with a considerable sprinkling of foreigners from various countries. The other villages, that have received names are Mount Clement, Brownstown, Monroe, Lawrenceville, Frenchtown, and the New Settlement.

Government. This is upon the common plan of the territorial governments. But it is easy to see, that this territory will not remain long in that condition; but will soon be in a condition to claim admission into the confederacy of the states. Every thing is yet in the commencement. The usual provisions are made for roads; and the country is so level, that it will easily be susceptible of good ones. At present transport and passage are almost entirely by water, for which this country furnishes greater facilities, than any other of the same extent in the United States. Detroit is comparatively an ancient place. The French plantations along Detroit river, exhibit the aspect of a continued village. They are laid out in the usual manner, two or three arpens in front, by forty, or eighty arpens deep. The mansions have that foreign and inte-

resting aspect, that French buildings and establishments naturally have to the American eye. They are embowered in ancient and beautiful orchards. All have the appearance of comfort; and some of them, of splendor and opulence. There are few landscapes more interesting, few water excursions more delightful, than that from Detroit to the lakes; along this broad, cool, and transparent river, studded with islands, and alive with fishes; in view of this continuous line of French houses and orchards, on either bank of the river. The French here have their customary national manners. They live in ease and abundance in the forests, and take very little thought about education, or intellectual improvement. But every thing has changed, in this region, since it has become subject to the free institutions of the United States. A corporate body, styled the 'University of Michigan' has been formed. They have power to institute colleges, academies and public schools. The march of improvement in this and in all respects is rapid.

History. Michigan was originally comprised in the North Western Territory. French missionaries were settled here, as early, as 1648. Detroit was founded by the French in 1670. In 1763, this country, along with other possessions conquered from the French, came under the government of Great Britain. At the close of the revolutionary war, it became part of the territory of the United States. But the British government held possession of the military posts in it, until 1796. In 1805, the country was formed into a distinct territorial government. On the breaking out of the late war, this country became the theatre of part of its operations. Mackinack was captured by the British; and Chicago surrendered to the savages. The disastrous and humiliating affair of the surrender of Detroit, by general Hull, occurred soon after; and the

British held possession of it a year. The signal victory over the British fleet on lake Erie, and the subsequent defeat of the forces under general Proctor, by general Harrison, changed the tide of success; and Michigan again passed into the hands of the United States. It is now one of the principal points of immigration.

Sketches of the lakes and the river Niagara. Although the territory of Michigan, and the lakes may not be considered as belonging to the great valley of the Mississippi, yet we have considered them as the external north-eastern limits of that prodigious basin. They evidently mark a part of its grand feature. The lakes every where exhibit marks of having been formerly much higher, than they now are, and vast alluvial tracts, beyond their present limits indicate, that their waters covered a much greater extent of country, than at present. It scarcely admits of a doubt, that by the Illinois and other tributaries of the Mississippi in that direction, the lakes discharged from the western extremity of lake Michigan into the Mississippi. Every person, that has traversed the upper courses of the Illinois, remarks that the water line on the bluffs indicates the floods of the river, to have been twenty feet above its highest present elevation. These vast bodies of fresh water, then, formerly discharged from one extremity into the gulf of Mexico; and from the other, into that of the St. Lawrence. Even now, as we have already remarked, a few feet of excavation would empty them anew into the Illinois. These internal seas of fresh water already belong to the arrangement of the great Mississippi basin; and require a brief description, in order that we may mark the magnificent northern outline of the country, we have been describing.

Whatever theories may be adopted to explain the phenomena of recent submersion, that are seen over all the

western country, little doubt can exist, that these lakes are the pools, that remain, as mementos of the extent of the agents employed in that work. They display a feature in the conformation of our country, that has no other parallel on the globe. They seem to be generally beyond the reach of prairies. Boundless forests encircle them. Their vast extent, the fierce and untamed character of the wandering hordes, that have hunted, fought and fished round them for unknown ages, the terror of the winters, that rule these regions of ice and storms, for so great a part of the year, the precipitous crags of secondary formation, that line their southern shores, and the black masses of primitive granite, that rise to impassable heights on the north, the remoteness of their extent beyond fixed human habitations, and almost beyond the stretch of the imagination, have connected with these lakes associated ideas of loneliness, grandeur and desolation. A line drawn through the centre of all these lakes, beginning with Ontario, and ending with the Lake of the Woods would be not far short of a line, that would measure the Atlantic. Their waters are uniformly deep, cold, pure, and transparent. They repose upon beds of granite. They have the greatest abundance of fine fish. The country north of lake Superior and the Lake of the Woods is one of stupendous cataracts, impassable swamps and morasses, rushing rivers, often confined in precipitous channels of black granite, exhibiting an aspect, which would chill the heart of any one, except a savage hunter, fisherman, or *coureur du bois*, in the description, much more in traversing it. We have a faithful and interesting account of these dreary regions in the narrative of major Long's second expedition.

This chain commences on the north-east with lake Ontario. Its extent is 180 by forty miles. At its eastern ex-

tremity, is a group of islands, known by the name of the 'thousand islands.' From this lake we ascend by a strait, called Niagara river, a mile in average width, very swift and deep, and thirty-six miles long to lake Erie. This is a broad and beautiful sheet of water, equally transparent with the former, but falling short of it in general depth. Its extent is 230 by forty-five miles. In various central positions on this lake, the voyager is out of sight of land, as on mid ocean. It embosoms a number of considerable islands. Ascending still farther west, we find another strait, as the French word Detroit imports. It connects lake Erie with lake St. Clair, and is twenty-seven miles in length. Lake St. Clair is another clear and beautiful basin of water, thirty miles in diameter. The strait between this lake and Huron is thirty-two miles in length, and three-quarters of a mile in breadth, with a deep and rapid current. Lake Huron is the second on the continent in size, being 220 by ninety miles in extent. It has the usual cold, transparent and deep waters, is studded with many islands, and of a depth to be every where navigated by the largest vessels. At its western extremity, by the straits of Michilimackinack, it communicates with the singular lake, Michigan. This lake seems to be a supernumerary, a kind of episode in the great chain, not appearing necessary for the expansion or conveyance of the waters collected above in lake Superior. It is wholly in the limits of the United States, while half of the rest pertains to the dominions of Great Britain. Its extent is 300 by fifty miles. It receives forty considerable rivers, has valuable fisheries of sturgeon and white fish, and embosoms some islands towards its northern extremity.

Returning to lake Huron, we find it connected with lake Superior by a strait twenty-seven miles in length. The current of this river is shallow, rapid, and rendered diffi-

cult of navigation by huge masses of rock. Lake Superior is by far the largest collection of fresh waters on the globe, being 350 by 100 miles in extent, and reputed nearly 1,500 miles in circumference. The water is transparent, and is deeper and colder, than any of the rest. The shores, especially the northern, are walled with frowning and lofty precipices of granite rock. All the lakes abound, and this more than the rest, with fine fish. They consist of different kinds of trout, all of them delicious, sturgeon, pike, pickerel, carp, bass, herrings, &c., and the best kind of all, white fish, which is found in this lake in greater perfection, than in either of the rest. It embosoms some large islands. The principal rivers, that discharge themselves into it, are Michipicoten, St. Louis, Nipigon and Pigeon. Beyond this lake, and stretching still farther to the north-west, towards the frozen regions of Red river of the north, and the Arctic sea, is the long and narrow Lake of the Woods, apparently the *Ultima Thule* of our continent.

These lakes, from the circumstance, that their waters possess less specific gravity than that of the ocean, and the comparative shallowness of their beds, and it may be from other causes, when swept by the winds, raise waves, if not so extensive and mountainous, more rough and dangerous, than those of the sea. It has been repeatedly asserted, that they have septennial fluxes and refluxes. From the silence of the recent, and intelligent travellers, that have explored them, touching a fact so very striking, we should be led to doubt it. It has been affirmed, also, that they have perceptible diurnal tides. We doubt this also; for were it even true, that the same causes, which raised tides in the sea, operated perceptibly here, the surface that could be operated upon, is so small, compared with that of the ocean, any general movement of the waters would be so arrested by capes, points, islands, and headlands, that such

a uniform result, as that of a diurnal tide, could hardly be calculated to take place in any sensible degree.

The waters of the lakes, in many instances collected from the same marshes, as exist at the sources of the Mississippi, filtered through oozy swamps, and numberless fields of wild rice, where the shallow and stagnant mass, among this rank and compact vegetation, becomes slimy and unpotable, as soon as they find their level in the deep beds of the lakes, lose their dark red color, and their swampy taste, and become as transparent almost as air. When the lakes sleep, the fishes can be seen sporting at immense depths below. The lower strata of the water never gain the temperature of summer. A bottle sunk an hundred feet in lake Superior, and filled at that depth, feels, when it comes up, as if filled with ice water. Imagination can not but expatiate in traversing the lofty precipices, the pathless morasses, and the dark and inhospitable forests of these remote and lonely oceans of fresh water, where the tempests have raged, and the surges have dashed for countless ages, unwitnessed except here and there at the distance of an hundred leagues by a few *red skins*, or more recently, Canadian *coureurs du bois*, scrambling over the precipices to fish, or paddling their periogues in agonies of terror to find shelter in the little bays from the coming storm.

Hundreds of rivers, though none of great length, discharge themselves into these inland seas. Situated as they are in a climate, generally remarkable for the dryness of its atmosphere, they must evaporate inconceivable quantities of water. It has been commonly supposed, that the Niagara, their only visible drain, does not discharge a tenth part of the waters and melted snows, which they receive. They spread such an immense surface, and have so much of the grand levelling power of the ocean, that neither they,

nor their outlet, the St. Lawrence, have any thing of that flood and subsidence, that form such a distinguishing feature in the Mississippi and its waters. Hence, too, the Niagara has little of marked alluvial character in common with the Mississippi. It rolls down its prodigious volume of waters, alike uninfluenced by droughts, or rains, by the heat and evaporation of summer, or the accumulated snows and ices of winter.

Will the shores of these vast and remote waters be ever settled, except by a few wandering trappers, fishermen and savages? Shoals of immigrants from the old world are continually landing at Quebec and Montreal. Upper Canada is becoming populous. Wave is propelled beyond wave. Much of the country on the shores of the lakes is of an inhospitable and sterile character, never to be cultivated. There are, also, along their shores and tributary waters, sheltered valleys and large extents of fertile soil, sufficient for numerous and populous settlements. It is an inexplicable part of the composition of human nature, that men love to congregate and form the most populous cities and settlements in northern and inhospitable climes, rather than in the country of the banana and the pine-apple.—The astonishing advance of population and improvement, both on the American and British side of the country, has caused, that the bosoms of the remotest lakes have been whitened with the sails of commerce. The smoke of the passing steam boats is seen rising in columns among their green islands. The shores have echoed with the exploding cannon of conflicting fleets. The northern forests of Ohio have already seen the red cross of a hostile squadron giving place to the *stars and stripes*. Roads are constructing to reach their shores. Canals are excavating to connect the whole extent of this vast chain with the Atlantic and the gulf of Mexico. Is it too sanguine to pre-

dict, that within the compass of a century, their shores will count an hundred populous towns, where senates will debate and poets sing? That every nook of them will be visited by vessels and steam boats, and connected by roads and mail routes, and that the fisheries on them will become as much an object of national importance, as are now those of Newfoundland?

It is out of our plan to describe the rivers, that empty into these lakes. But it will be expected, that we shall notice the St. Lawrence, the next largest river in North America to the Mississippi, and the counterpoise and rival of that mighty stream. Commencing his course for another ocean, and moving off in an opposite direction, he seems proudly determined to resemble his mighty rival in nothing, but in bearing off the tribute of waters from a world. The former is continually swelling, or subsiding, and in his spring floods, moving with a front many leagues in width, he has no resemblance to his autumnal course in a deep channel, and winding by beaches and sandbars. His alluvial forests are wide and dark, with a vegetation of surpassing grandeur. His sides are marly and crumbling, and his bottom is oozy and of slime. His turbid waters, when united with those of the sea, discolor it for fifty miles from his mouth.

The other is perpetually the same, steady, full, clear, and his current always sweeping. His bed is worn in strata of stone. His banks rise at once to the primitive soil. Bluffs of rock impend his course. Forests, in their season beautifully verdant, but bearing the more healthy, stunted and sterile character of the north, the larch, the pine and the white birch, bend over his waters, and before he meets the sea, vision can scarcely reach the opposite shore.

At the point, where this river issues from lake Erie, it assumes the name of Niagara. It is something more than three quarters of a mile in width, and the broad and powerful current embosoms two islands; one of them, Grand Isle, the seat of Mr. Noah's famous Jewish colony, containing, it is said, eleven thousand acres, and the other, Navy island, opposite to the British village of Chippeway. Below this island the river again becomes an unbroken sheet, a mile in width. For a half a mile below, the river seems to be waxing in wrath and power. Were this rapid in any other place, itself would be noted, as one of the sublimest features of river scenery. Along this rapid, the broad and irresistible mass of rolling waters is not entirely whitened, for it is too deep to become so. But it has something of that curling and angry aspect, which the sea exhibits, when swept by the first bursts of a tempest. The momentum may be conceived, when we are instructed, that in half a mile the river has a descent of fifty feet. A column of water, a mile broad, twenty-five feet deep, and propelled onward by the weight of the surplus waters of the whole prodigious basin of the lakes, rolling down this rapid declivity, at length pours over the cataract, as if falling to the central depths of the earth. Instead of sublimity, the first feeling, excited by this stupendous cataract, is amazement. The mind, accustomed only to ordinary phenomena and common exhibitions of power, feels a revulsion and recoil from the new train of thought and feeling, forced in an instant upon it. There is hardly sufficient coolness for distinct impressions; much less for calculations. We witness the white and terrific sheets—for an island, on the very verge of the cataract, divides the fall—descending more than 170 feet into the abyss below. We feel the earth trembling under our feet. The deafening roar fills our ears. The spray, painted with

rainbows, envelopes us. We imagine the fathomless caverns, which such an impetus, continued for ages, has worn. Nature arrays herself before us, in this spectacle, as an angry and irresistible power, that has broken away from the beneficent control of Providence. When we have gazed upon the spectacle, and heard the roar until the mind has recovered from its amazement, we believe, the first obvious thought in most minds is a shrinking comparison of the littleness and helplessness of man, and the insignificance of his pigmy efforts, when measuring strength with nature. Take it all in all, it is one of the most sublime and astonishing spectacles, seen on our globe. The eye distinctly measures the amount of the mass, and we can hardly avoid thinking with the peasant, that the waters of the upper world must shortly be drained down the cataract. But the stream continues to pour down, and this concentrated and impressive symbol of the power of Omnipotence proclaims his majesty through the forests from age to age.

An earthquake, the eruption of a volcanic mountain, the conflagration of a city, are all spectacles, in which terror is the first and predominant emotion. The most impressive exertion of human power is only seen in the murderous and sickening horrors of a conflict between two mighty armies. These, too, are transient and contingent exhibitions of sublimity. But after we have stood an hour at the foot of these falls, after the eye has been accustomed to look at them without blenching, after the ear has become familiarized with the deafening and incessant roar, when the mind begins to calculate the grandeur of the scale of operations upon which nature acts, then it is, that the entire and unmingled feeling of sublimity rushes upon it, and this is, probably, the place on the whole globe, where it is felt in its most unmixed simplicity.

It may be, that the beautiful and romantic country between Erie and Ontario receives a richer coloring from the imagination, excited so strongly to action by dwelling on the contiguity of the great lakes, and the deep thunder of the falls, heard in the distance. Remembrances of the bloody field of Bridgewater will be naturally awakened by this view. Be the cause what it may, every one approaches the falls, finding the scenery and accompaniments just what they should be. Every one finds this to be the very place, where the waters of the upper world should pour upon the lower. We have figured to ourselves the bloody struggle at Bridgewater by the uncertain intervals of moonlight, and the feelings, with which the combatants must have listened to the deafening and eternal roar of the cataract, which became audible whenever the crash of the cannon was for a moment suspended. Must it not have sounded as the voice of nature, mocking in her own sublime irony, the feeble and the mad wrath of man, in attempting these murderous and momentary imitations of her thunder and her power!

NORTH WEST TERRITORY.

NEARLY 500 miles in length, and 400 in breadth. Between $42^{\circ} 30'$, and 49° N. latitude, and $10^{\circ} 31'$, and $18^{\circ} 30'$ W. longitude. Bounded East by lake Michigan; North by lake Superior and the British possessions; West by the Mississippi, and a line drawn from its source to the northern boundary, which separates it from Missouri territory. The most accurate account of this country is to be found in Long's second expedition. It is generally a hilly country, with the exception of extensive level prairies. At the western extremity of lake Superior are the Cabotian mountains; and near the mineral district the Smoky mountains. In some of its features, this country resembles Missouri territory; but has greater proportions covered with wood. The chief rivers, except the Mississippi, are Ouisconsin river, Fox, Chippeway, St. Croix, Rum, St. Francis, and Savanna of the Mississippi; Grand Portage, Ontonagon, Montreal, Mauvaise, Bois brule, St. Louis, and nearly fifty smaller streams are waters of lake Superior. *Rivierre la plue* falls into the Lake of the Woods. None of the lake rivers have a course of more than 150 miles, and few more than fifty miles.

The largest river of the Mississippi in this territory, is Ouisconsin, which rises in the northern interior of the country, and interlocks with the Montreal of lake Superior. It has a course of between three and four hundred miles, has a shallow and rapid current, which is, however.

generally beatable in good stages of the water, and is 800 yards wide at its mouth. There is a portage of only half a mile between this and Fox river. It is over a level prairie, across which, from river to river, there is a water communication for periogues in high stages of the water.

Fox river has a course of 260 miles. It runs through Winnebago lake. It has a fine country on its banks, with a salubrious climate. Chippeway is a considerable river of the Mississippi, and enters it, just below lake Pepin. It is half a mile wide at its mouth; and has communications by a short portage with lake Superior.

This is a fine region for hunters. In the upper part of the country, buffaloes, elk, bears and deer are common. Beavers, otters, and muskrats are taken for their furs. The trappers and savages roam over immense prairies in pursuit of their objects. In some parts of it the soil is fertile. White and yellow pine, and white birch are common among the forest trees. All the water courses, ponds and marshes are covered with wild rice, which constitutes a considerable part of the nourishment of the inhabitants. The head waters of the Mississippi are estimated to be 1,330 feet above the level of the sea.

It is a country abundant in minerals. In it are found great quantities of the *terre verte*, or green earth, lead, copper and iron. The lead mine district is in the lower part of the country, between Rock river and the Wisconsin. Here, on a river, called Fever river, are the chief establishments of the present miners, and the mines are, probably, as rich and as abundant, as any in the world. It has been asserted, for half a century, that great quantities of native copper are found along the northern shore of lake Superior. More recent and intelligent travellers have not realized the expectations, that have been raised, in respect to finding this metal. But lead and iron are found in va-

sious places; and sufficient indications of the existence of mines of copper.

The southern parts of this extensive region possess a climate, comparatively mild, and not much unlike that of the northern belt of Missouri. At the falls of St. Anthony the summers are temperate; and the winters extremely cold. The sources of the Mississippi are in a region severely inclement. At St. Peters, in 1820, the mean temperature of January was zero, a degree of cold, not felt in any part of the United States, that is much settled. The summer was temperate, and the atmosphere beautifully serene. Even at Prairie du Chien, though much more temperate, the winters are very severe. The following table is selected from Mr. Schoolcraft

Place.	Date.	Average temperature.		Prevailing winds.
		Air.	Water.	
Detroit, - - -	May 15 to 24	61°	00°	N. E.
River St. Clair, - - -	24—27	51°	52°	N. W.
Lake Huron, - - -	28 to June 6	51°	51°	N. W.
Mackinack, - - -	June 7 to 13	55°	00°	S. E.
Mackinack to Lake Superior, June 13—18		66°	00°	S. W.
Lake Superior, - - -	19—27	66°	58°	N. W.
Ontonagon River, - - -	28—30	80°	73°	N. W.
Water of Lake Superior, - - -	- - -	-	66°	
Ontonagon River to Fond du Lac, - - -	} July 1 to 5	64°	61°	S. W.
Between Fond du Lac and Sandy Lake, - - -				
At Sandy Lake, - - -	17—24	73°		N. W.

NOTE.—On the 19th July, near the falls of Packagama, the elevation being about 1,200 feet above the level of the sea, “the night was so cold that water froze upon the bottoms of the canoes, and they were incrustated with a scale of ice of the thickness of a knife blade. The thermometer stood at 36° at sun-rise. There had been a heavy dew during the night, which was succeeded by a dense fog in the morning, and the forenoon remained cloudy and chilly.”

	<i>Mean temp.</i>	<i>Prevailing winds.</i>
From Sandy Lake to St. Peters, July 25 to Aug. 1,	69°	S. W.
Chicago, - - - - - January,	15°	N. W. & S. W.
- - - - - February,	32°	S. W.
- - - - - March to 15,	29°	N. E.

Green bay settlement is situated at the outlet of Fox river, and contains 952 inhabitants. There are two or three other small incipient establishments of hunters and trappers. Prairie du Chien is a considerable village. There are flour mills near it. It is a place of importance, as an outfit from the lower Mississippi to the upper waters. It is situated near a beautiful prairie. The position of the village has been recently inundated. Most of the permanent inhabitants have Indian blood in their veins. At certain seasons of the year, it is a populous, bustling and busy place. Curious modes of justice and of despatching business have been adopted here by prescription. The inhabitants in this village and settlement amount to 492. Frequent voyages are made from St. Louis to this place, in keel boats. The number of miners in the settlement upon Fever river is not known; but they have much increased in the two or three past years. This vast region has hitherto been politically connected with Michigan territory; but as that territory has as distinct geographical limits as any state in the union, and this region is only connected with that by circumstances of a temporary nature, it is evident, that this country ought to be viewed, at least geographically, as a territory by itself.

MISSOURI TERRITORY.

LENGTH, 900 miles, breadth, 800. Between $36^{\circ} 30'$ N. latitude, and $13^{\circ} 40'$ and $35^{\circ} 10'$ W. longitude. Bounded by the British possessions on the North; East by the North West Territory, Illinois and Missouri; South and South West by the territories of the Mexican republic. West by the Rocky mountains. No writers have given such striking, general views of this country as the gentlemen of Long's first expedition.

The belt of country, partially wooded, extends generally from two to four hundred miles west of the Mississippi and its waters. There commences that ocean of prairies, that constitutes so striking and impressive a feature in the vast country beyond the Mississippi and Missouri. This vast country is for the most part, a plain, more or less covered with grass, in great extents fertile; in other extents almost a moving sand. It is pastured, and trodden by countless numbers of buffalos, elk and other wild animals, that graze upon it. In some places, as on the Missouri, spurs of the mountains are encountered, long before we reach the main range. In other places, as at the outlet of the Arkansas from the mountains, these mountains spring up, as the eternal barriers of the plains, directly from their base. One mountain is distinguishable from all the rest. We have wished, that it might be denominated Mount Pike, from the name of the intrepid and adventurous traveller, who gave us the first account of it.

Its black sides, and hoary summit are a kind of sea mark at immense distances over the plain. It elevates its gigantic head, and frowns upon the sea of verdure, and the boundless range of buffaloes below, taking its repose, solitary and detached from the hundred mountains apparently younger members of the family, which shrink with filial awe at a distance from it.

The Rocky mountains commence in the unexplored regions to the northwest of the United States; and, ranging across the sources of the Missouri, the Roche Jaune, Platte, Arkansas and Red river, in the Mexican States of Texas and Coahuila, they diverge, and unite with the ranges of Mexican mountains. They separate the waters of the great tributaries of the Mississippi from those, that fall into the Columbia, or Multnomah, the great lake of Bueneventura, and other waters of the Pacific. They have a far greater extent, than the Alleghany mountains, are a wider range, and for the most part, run like them in parallel ridges, though generally more ragged, detached and broken, and by no means so regular, as the former. They are, also, of a character decidedly more primitive. Their black, precipitous, and frowning appearance has probably given them the name of the Rocky mountains. Their bases have an elevation of between 3 and 4,000 feet above the level of the sea. James', or Pike's mountain has been given, as being 12,000 feet in height. As this vast range of mountains is as yet but very imperfectly known, there is little reason to doubt, that many of the peaks, when more fully explored, and more accurately measured will be found to approach much nearer in height to the highest ranges in Mexico, than has been commonly supposed. Most of the more elevated summits are above the point of perpetual congelation. In one respect they resemble the Alleghanies. In numerous places the waters,

that run into the Pacific, rise near those, that fall into the tributaries of the Mississippi. Thus has nature kindly provided points of easy transit from the eastern to the western side of these frowning and apparently impassable barriers of nature. By communications of unquestionable veracity, from persons engaged in the Missouri fur company, we learn, that, following up the valleys of the sources of the Platte to the opposite valleys of waters, that fall into the great lake of Bueneventura, on the other side, a good road was found, and easily passable by loaded wagons. These are curious and striking facts. This line, when viewed at a distance, every where seems continuous, iron bound, and impassable. The mind recoils from the attempt, as hopeless, to find a way over such frowning and formidable barriers. We have no doubt, that within half a century the waters of the Mississippi will be united with those of the western sea by navigable canals.

What are called the 'Gates of the Rocky mountains,' through which the Missouri seems to have torn itself a passage, are commonly described, as among the sublimest spectacles of this range of mountains. For nearly six miles, these mountains rise in black and perpendicular masses 1,200 feet above the surface of the river. The chasm is little more than 150 yards wide; and the deep and foaming waters of the Missouri rush through the passage, as if it were a cataract. The heart of the beholder is chilled, as he contemplates, in these wild and uninhabited regions, this seeming conflict between the river and the mountains. The smooth and black walls of the cleft rise more than twice as high, as the mountains on North river, below West Point. Every passenger up North river has been impressed with the grandeur of that scene in the midst of amenity and life. What then must be the sensations of the passenger through the gates of the Rocky

mountains, who witnesses the proofs of this conflict of nature, in a region three hundred leagues from civilization and habitancy? Vast columns of the rock torn from the mountains, and lying along the river, attest the fact of this forced passage of the river through the mountains. The Black hills, the elevated table lands between the heads of the Missouri and the Mississippi, called *Coteau du Prairie*, the Ozark mountains, the Masserne mountains, &c. may all be considered as collateral ranges of the Rocky mountains.

The principal tributaries of the Mississippi in this territory are River de Corbeau, St Peter's, Cannon, Upper Ioway, Lower Ioway and des Moines. An interesting and accurate account of St Peter's is given in 'Long's second expedition.' It is one of the principal upper waters of the Mississippi, and has a course of 250 miles. It enters the Mississippi at the falls of St Anthony, by a mouth 150 yards wide, and a depth of fifteen feet water.

The principal tributaries of the Missouri are given in the following table:

<i>Rivers.</i>	<i>Width at outlet in yards.</i>	<i>Supposed length.</i>	<i>Side on which they enter.</i>
Milk river,	150	200	North.
Yellow stone,	297	600	South.
Little Missouri,	134	225	South.
White river,	150	200	West.
Running water,	152	300	S. West.
Jacques,	90	300	North.
Sioux,	110	270	North.
Platte,	600	700	West.
Kansas,	340	550	West.
Grand river,	90	200	North.
Charaton, E.	30	150	North.
Charaton, W.	70	180	North.
Osage,	397	350	South.
Gasconade,	157	150	South.

Red river of the north rises near the sources of St. Peter's; and by a northern and winding course runs nearly 200 miles in our territorial limits; and then passes into the British dominions of Upper Canada, and empties into lake Winnipeg. Its principal branches are Red lake river and Mouse river, which latter stream rises within a mile of fort Mandan on the Missouri. Red river is a broad, deep, and very interesting river, abounding with fish, and the country along its banks with elk and buffaloes. It is on the banks of this remote stream, that lord Selkirk's very interesting colony is settled.

The next grand tributary to the Mississippi, after the Missouri, as we have already remarked, is the Arkansas. The head waters of this river were first explored by Pike, and afterwards more thoroughly by Long. This survey reached to Bell's springs, 38° 32' N. latitude, and 28° 45' W. longitude. Indians and hunters describe its sources to be nearly 200 miles north-west from that point. From Bell's springs it runs in a direction generally south-east by its windings, two thousand miles, and twelve hundred in a straight direction to the Mississippi. It runs through a country, where the traveller can often see nothing, but a grass plain boundless to his vision. The Negracka and Grand Saline are the principal upper tributaries of the Arkansas. The lower belt of this region is of secondary formation. The middle belt extending from the Council Bluffs to the sources of the Negracka, contains lime stone and pit coal. The upper belt is primitive and granitic. The lead mines below Prairie du Chien have already been described. Blue and green earths, which the Indians use as paints, and the beautiful red pipe stone of the St. Peter's have already been mentioned. The elevations of the south-west part of this region have been given, as follow: Eastern limits of the territory on Osage river 750 feet in

height. Neosho river 1,000. Arkansas at the base of James' peak 2,500. Summit of the peak 11,000.

The surface and soil of this vast extent of country is different from any other of the same dimensions on the globe. The lower courses of all the rivers, that enter the Mississippi from this region, are wooded. In proportion, as we ascend towards the mountains, the wood becomes more scarce, and the upper tributaries of these streams run through open prairies. There is, also, a fertile belt along the banks of all these streams; but in proportion, as we diverge from them, the land becomes more sterile and parched. We sometimes may travel whole days, without seeing water. Great extents of this country may be almost likened to the Sahara of the African deserts. There is, however, in the most sterile parts a thin sward of grass and herbage. Countless droves of buffaloes, elk and deer range upon these vast prairies. These will, probably, in some future period of our national existence be replaced by herds of domestic cattle, and flocks of sheep, followed by moving bands of shepherds. Almost the whole courses of the Missouri, Platte and Yellow Stone are through a rich soil. The same may be affirmed of Red river. The upper courses of the Arkansas are through the most sterile region of this ocean of prairies.

Climate. In a country of such immense extent, generally level, naked and open, the climate must of course in a great measure correspond to latitude. The first climate, beyond the state of Missouri, and the territory of Arkansas is mild and temperate. The belt beyond has nearly the climate of New England. Still further towards the mountains, it is Canadian. Pike and other travellers speak of encountering storms of sleet and hail in the summer, near the sources of the Arkansas. When the winds blow from the west over the summits of these mountains,

and bring down on these vast plains the temperature of the regions of perpetual frost, we may of course expect such changes of temperature near their bases. We select the following table as compiled by Mellish from the travels of Lewis and Clark as conveying a synoptical view of the climate of this country.

		Highest.	Lowest.	Mean.	Prevailing winds.
1804.					
Sept. 19 to 30, Big Bend } to Ricaree, lat. 46°. }		88°	42°	63°	S. E. & S. W.
Oct. Ricaree to } Mandan, lat. 47° 30', }		62°	32°	47°	N. W. & S. E.
Nov. Fort Mandan,		62°	12°	34°	N. W. & S. E.
Dec. Fort Mandan,		38°	—45°	0°	N. W.
1805.					
Jan. Fort Mandan,		36°	—40°	—3½°	N. W.
Feb. Fort Mandan,		38°	—18°	11°	N. W. & S.
March, Fort Mandan,		40°	—2°	28°	N. E. & S. E.
April, Fort Mandan } to 24 miles beyond Martha's river, lat. 48° }		80°	24°	49°	N. W. & S. W.
May, Martha's ri- } ver to Stone Wall Creek, lat. 47° 15' }		82°	28°	52°	S. W.
June, Stone Wall } Creek to falls of Mis- souri, lat. 47° 15' }		76°	35°	56°	S. W.
July, Falls to Phi- } losophy river, lat. 45° }		90°	52°	65°	S. W.
Aug. Philosophy } river to the head wa- ters of Columbia ri- ver, lat. 44° }		91°	31°	57°	S. W.

N. B. — *Signifies below Zero.*

General Remarks.

September 23. The air remarkably dry.

October 5. Slight frost. 18. Hard frost.

27. Went into winter quarters at Fort Mandan.

- November* 9. Strong frost. 13. Much drifting ice. 30. Indians cross the river on the ice.
- December* 5. Excessive N. W. wind. 7. River closed. 28. Strong wind.
- January* 3. Snow nine inches deep. 8. Snow ten inches. 19. Ice three feet thick on the most rapid part of the river.
- March* 2. River partially open. 26. Ice broke up, and descended in immense shoals. 30. Ice floating in great quantities.
- April* 1. A fine shower of rain, the first since the 15th of September. The air dry and remarkably pure.
- April* 4. Hard gales; scarcely any timber to shelter the country, and the winds blow with astonishing violence.
- April* 7. Left Fort Mandan.
- April* 11. Vegetation appears. 18. A heavy dew, the first since the 15th of September. 21. White frost.
- May* 2. Violent wind; snow and vegetation intermixed.
- May* 4. Snow disappeared. 9. Choke cherry in bloom.
- May* 18. Wild rose in bloom. 23. Strawberries in bloom.
- May* 26. The air warm, fine, and dry.
- June* 27. Thunder, lightning, and hail so large that one stone was seven inches in circumference, and weighed three ounces.
- July* 6. Rain, thunder, and hail; a black bird killed by the latter.
- July* 7. Near the sources of Missouri. 21. A sudden cold caused a difference of 59° in the thermometer in eight hours.

At Council Bluffs, in the summer of 1820, the greatest heat was 105° and the winter's cold 22° below zero.— Same year at St. Peters, 93° heat; and 30° below zero, cold.

This country is part of the purchase of Louisiana, and has been explored by Lewis and Clark, by Pike, and the gentlemen of Long's expedition. We have gleaned information, also, from hunters and trappers, who have traversed it in all directions, and who have lived long in it. It is inhabited by various tribes of Indians, of whom the Sioux are the most numerous. The whole number is estimated between 140, and 150,000.

OREGON TERRITORY.

THIS Territory has been so named in the congressional discussions, that have taken place in reference to the country. It is a country of vast extent. Its southern limits are clearly defined in our late treaty with Spain, being on the 42d parallel to the Pacific. Our limits to the north west are yet in question with those of Russia, which claims to the 51st parallel. Our limits with great Britain are the 49th parallel. It has, therefore, the British and Russian possessions on the North; the Pacific on the West; the Mexican dominions on the South, and the territories of Arkansas and Missouri on the East; and may be assumed as stretching between 41° and 49° N. latitude, and 34° and 48° W. longitude. The stupendous ridges of the Rocky mountains, which we have already described, bound this country on the east. The waters, that rise on the western declivities of these mountains, flow into the Columbia, the Multnomah, and the lake Bueneventura. Most of the elevated summits of the mountains are above the limits of perpetual congelation. Beyond the mountains, the country descends by regular belts, in the form of immense terraces, or descending plains, disposed regularly, the one below the other. Beyond the first plain, and between the Rocky mountains and the Pacific, is another extensive and high chain of mountains, in which are the great falls of the Columbia. Still west of these, and running parallel with the coast, and at the distance of 150 miles, is the

third and last chain. The peaks of all these chains are covered with perpetual snow. The highest peaks have been named Mount Baker, Mount Regnier, Mount St. Helens, Mount Hood and Mount Jefferson.

The only rivers explored in this region are the Columbia and its branches. This noble river has its head waters near those of the Missouri. It collects its tribute for a wide extent along the western dividing ridges of the Rocky mountains. Immediately upon emerging from these mountains, it has become a broad and deep stream. Having received Clark's and Lewis' rivers, each, large streams from the east, it is already 960 yards wide. It there forms a great southern bend, and breaks through the second chain of mountains. One hundred and thirty-six miles below are the great falls, where the river descends in one rapid 57 feet. Below these falls, it winds first to the north west, and then to the south west, and passes through the third chain of mountains; where it is again compressed to the width of 150 yards. Below this rapid, at 180 miles from the sea, it meets the tide, beyond which it has a broad estuary to the sea. Sixty miles below the rapids, Multnomah, a very large and unexplored tributary falls in from the north east. The mouth of the river is in $46^{\circ} 24'$, and the tide there rises $8\frac{1}{2}$ feet. The Columbia and its tributaries abound in the finest salmon, which seem, in fact, to constitute the chief article of food of the savages west of the Rocky mountains. Seals and other aquatic animals are taken in this river in great numbers; and the skins, shipped to China, constitute the chief article of trade from this great river. A number of the head streams of the Missouri interlock with the waters of this river, as Wisdom river, with Clark's of the Columbia; and Jefferson of the Missouri with Lewis' of the Columbia. Clark's river has a course, between 200 and 300

miles in length, before it unites with the Columbia. Lewis' river is a large and long tributary of the Columbia. In its course, it receives North Fork and Kooskooskee, and after winding 600 miles, falls into the Columbia from the east by a mouth 250 yards wide.

The geological character of this country is little known; but the western declivities of these mountains are presumed to be primitive and granitic. The country must have an abrupt slope to the Pacific, descending as much in 600 miles to the west, as it does in 1,500 to the east. The summits of these mountains, of course, are sterile, being ragged rocks, and covered with snow the greater part of the year. But among these mountains, there are sheltered and fertile valleys. The timber in the mountains is pine, spruce, fir, and the other terebinthines. The terrace plains below, generally have a fine soil; but are very deficient in timber. The prairies, like those on the eastern sides of these mountains, are covered with grass, and a profusion of most beautiful flowers. Among the prairie plants are two, or three kinds of edible roots, which furnish vegetable food to the savages, as an aid to the great proportion of salmon, which they devour. Wild sage is, also, an abundant herb. It grows of a size and height to be like a small tree; and on these extensive plains is one of the principal articles of fuel. The sea shore, for a considerable distance to the interior, is skirted with deep and thick forests of evergreens, such as pine and hemlock. On the whole, it is believed, that few countries on the earth have a more fertile soil and agreeable climate, than those of this region west of the Rocky mountains. Baron Langsdorf has given us a very delightful, and apparently just and discriminating account of the countries, belonging to the missions of St. Peter and St. Paul, in the Mexican country, bounding on the southern limits of this country. The mild-

ness of the climate is surprising. Sheltered on the north by protecting ridges of mountains, and the breezes from the west being softened by coming over immense extents of sea, the climate is as mild, as it is in the country east of these mountains four or five degrees south of that point. Langsdorf describes these countries, extending to our southern limit, as the country of oranges and figs, of verdure, health and fertility. We scarcely remember to have seen more sober pictures of a more desirable country, than those drawn by him of that region. They correspond with the accounts of Lewis and Clark and other travellers, who have explored that country. When these intelligent and intrepid travellers left the country in March, and in the latitude of Montreal, the prairies were in blossom, and the forwardness of the season seems to have corresponded with that of North Carolina at the same time. It is true, the winters are rainy, and some parts of them severe. The following table will serve to convey clear ideas of the temperature of these regions:

Table of the winds, and remarks on the weather between the Rocky mountains and Pacific ocean.

MONTH.	PLACE.	N.	N.W.	N.E.	E.	S.E.	S.	S.W.	W.
Sept. 1806.	From Dividing Ridge } to Canoe Camp, - - }	4		9	6	2		9	
Oct.	Canoe Camp to Tide Water,	2			8	4		12	
Nov.	Shores of the Pacific,			4		8	1	15	2
Dec.	Do.			4	2	5		20	
Jan.	Do.	1		6	2	4	2	15	1
Feb.	Do.			5			3	20	
March 20.	Do.	1		6	1	8	4	11	
April.	To outlet of Kooskooskee } River. - - - - - }	4		4	2	2		11	7
May,	To Quamash Flatts,	5		1		11		12	1
June,	To Traveller's Rest,	21				8		1	
To July 8.	To Dividing Ridge.	2						6	

Remarks.

September. Fair 19 days, rain 7, snow 4 days.

October. Fair 24 days, rain 5, cloudy 2.

November. Fair 7 days, rain 17, cloudy 6.

December. Fair 3 days, rain 27, cloudy 1.

January. Fair 7 days, rain 19, cloudy 3, snow 2.

January. The loss of the thermometer sincerely regretted. The parties confident that the climate is much warmer than in the same parallel of latitude on the Atlantic ocean. There has been only one slight white frost since the 7th November. "We have seen no ice, and the weather is so warm that we are obliged to cure our meat with smoke and fire, to save it."

12. The wind from any quarter off the land, or along the north west coast, causes the air to become much cooler.

14. Weather perfectly temperate. Never experienced so warm a winter as the present.

25. It is now perceptibly colder than it has been this winter.

28. Pretty keen frost. The coldest night of the season.

February. Fair 6, rain 16, cloudy 5, snow 1 day.

8. The feeling of the air indicated that the rigor of the winter had passed.

24. Quite warm.

March. Fair 8, rain 16, cloudy 7 days.

1. So warm that fire was unnecessary.

13. Plants began to appear above ground.

15. Plants put forth their leaves.

25. Gooseberry bushes in leaf.

26. Humming birds appear.

30. Grass 16 inches high in river bottoms.

April. Fair 20, rain 7, cloudy 3 days.

6. Cotton wood in leaf.

12 Vegetation is rapidly progressing in the bottoms, though the snow reaches within a mile of the base of the mountains, at the Rapids of Columbia.

May. Fair 19, rain 5, cloudy 6, snow 1.

3. An increase of snow in the mountains last evening.

10. Weather cold with a heavy fall of snow.

22. The air remarkably dry and pure.

27. The snow has disappeared on the high plains, and seems to be diminishing fast on the spurs and lower regions of the Rocky mountains.

June. Fair 20, cloudy 5, rain 5.

2. A great rise in the river in consequence of the melting of the snow in the mountains.

3. River at its greatest height.

5. The wild rose in bloom.

6. The vining honey-suckle in bloom.

22. Strawberries ripe at Quasnash Flatts.

July to the 8th. Fair 6, rain 2 days.

5. A dew this morning; the nights cool; the mosquitoes troublesome.

6. In the open plain there was a violent wind from the north-west, accompanied by hard rain.

8. A heavy shower, accompanied with rain from the south-west.

This country was first discovered by the Spaniards. In 1791, captain Gray, of the ship *Columbia*, of Boston, entered the river; and from his ship it received its name. It was occasionally entered by navigators afterwards. In 1805, Lewis and Clark descended this river from the mountains to the Pacific, and spent the winter on its shore. They returned by the same river to the mountains; and most of the exact information, that we have of the country is from them. For some years a settlement of fur traders, called Astoria, has existed here. The chief intercourse of this place is with China. The question of settling this delightful country permanently, has been, more than once, debated in congress. Were such settlements authorized, and rendered secure by the requisite military establishments, there can be no doubt, but it would receive large accessions of immigrants. The number of Indians of the different tribes is estimated at 140,000.

TEXAS.

THE countries, which we have been describing, stretch beyond the settled regions of Missouri and Arkansas. The country of Texas, united with Coahuila, making one of the Mexican states, bounds the country of Arkansas on the South, and the state of Louisiana on the West. Its proximity to our country, its being already settled to a considerable degree with Americans, and its having been long considered, as included within the ceded limits of Louisiana, give it a claim to a very brief description. Its length is 800 miles, and its breadth 500. It is situated between 28° and 42° N. latitude. Bounded on the East by the Sabine, which separates it from Louisiana; on the South by the gulf of Mexico; on the West by the Rio del Norte. The northern boundary by the last Spanish treaty was as follows; bounded by Red river on the south bank, from the point, where it strikes that river to 100° W. longitude from London; thence due north to the Arkansas; thence up the Arkansas on the south bank to 42° N. latitude; thence due west, on that parallel to the Pacific ocean. It is supposed to contain a surface of 400,000 square miles, and has sufficient extent to form a large government.

Face of the country. Along the Arkansas and Red rivers the country is level. On the Rio del Norte it is broken into precipitous, and sterile hills. In the north western extremity there are mountains. It has a general slope, like an immense glacis towards the gulf; and al-

though from St. Antonio, and various other central points of the country, high hills are visible in the distance, it is generally a very level country, partaking, in the extensiveness of its prairies of the character of the countries, we have been describing. For fifty miles beyond the Sabine, the country is timbered, and has little show of prairie. Beyond that, the prairies stretch out on every side indefinitely. The streams, as seen elsewhere, in all this country are skirted with a belt of timber. Within sixty miles of the gulf, the country becomes exceedingly level; the rivers, as in Louisiana, before their entrance into the gulf, form lakes and extensive swamps.

The soil along the Arkansas and Red rivers, as might be expected, is fertile. On the Brazos, and Colorado, there are wide and rich bottoms, differing very little in character from those of Red river. The soil on Iyish Bayou is also fine. Most of the streams have a margin of rich alluvial soil. From these bottoms we rise to high table prairies, for the most part, of an indifferent soil, and some of them sterile, with a stratum of lime stone rock, approaching so near the surface as to cause, that in the dry and hot season of summer, all vegetation upon it becomes parched and sear. Nine tenths of the country is prairie of this character; or extensive swamp; or sterile and precipitous hills. The soil that is rich, is generally of first quality, producing in abundance all the products, that can be raised in Louisiana. The country about the Trinity is well wooded, and abounds in springs.

The principal rivers are the Trinity, which is a considerable stream. This river runs parallel with the Sabine and about 150 miles west of it.

Travelling west, the next important river is the Brazos, a river, which rises in the mountains at the north of the state, and after a course of between 5 and 600 miles, flows

into the gulf, by a mouth 200 yards wide. This river receives a number of considerable tributaries, and has extensive and fertile bottoms, subject, however, to the inconvenience of being occasionally inundated.

Eighty miles west of the Brassos is the Colorado. This river has bottoms, like the Brassos, and a course of 450 miles. Both of them are navigable for schooners sixty, or seventy miles from their mouths; and in time of floods steam boats can ascend them much higher. Between the Brassos and the Colorado is the largest body of good land in the state. Fifty miles farther is the river St. Marks a branch of the Guadalupe. This river runs through a rich country, but destitute of timber. Sixty miles from this river is the Guadalupe, of the size of the former river, containing fine lands, and unlike that river, being well timbered along its borders. It has a course of 200 miles; and falls into the bay of St. Bernard. It is a river memorable in the ancient French history of Louisiana, as being that river, at the mouth of which was planted the colony under M. de La Salle, in 1685.

About 200 miles farther west is the Rio del Norte, which, rising not far from the sources of the Arkansas, has a very long course, computed by its windings to be 1,600 miles to the gulf. It is generally a shallow, wide and rapid stream, in the heats of summer fordable in a great many places. The general character of the country on its banks is broken and sterile. Scarcely any river of its size and length is known, so little favorable to navigation. The Iyish Bayou and the Neches, or Snow river, not far from the Sabine are considerable streams.

Towns and Settlements. As we travel west, on the great road from the Sabine to Mexico, the first village of any consequence is Nacogdoches. It is sixty miles from the Sabine. The situation is lonely, but delightful. It is

finely watered by a large and clear spring branch. It is a very salubrious situation. This village was formerly of considerable consequence, possessing a church, and being for a long time a military station. But occupied, as it has been, by the different parties in the various revolutions, which it has experienced, and having been more, or less plundered, and destroyed by each, it is at present little more than a heap of ruins, containing not more than 300 inhabitants, of whom the greater part are wretchedly poor. The famous 'stone house' still survives all the revolutions, through which it has passed. This place was occupied, in the winter of 1837, by the Fredonians, who declared the state of Texas to be an independent republic; and who soon after were vanquished, and driven out of the country by a small Mexican force.

St Antonio is situated on the head waters of the Guadalupe, in 29° N. latitude. Its position is high and healthy; and, probably, no place in the world has a purer, or more salubrious air. It is said, that the proportion of very aged people is greater here, than in any other place. Such are the purity and dryness of the air, that beef killed in the sultry days of summer is suspended in the air without salt, and in this situation hardens, and preserves. The country, being extremely dry, and rains unfrequent in the summer, the fields and gardens in this place and the vicinity are watered by irrigation; for which the elevation of the stream, that waters the town, and its adaptation to this purpose, admirably qualifies it. These fields, so irrigated have a delightful appearance, in the droughts of summer, in contrast with the sear and parched aspect of the surrounding country. This was formerly an important town, being the capital of Texas, a considerable military station, and the former residence of the governor. It is said formerly, to have contained 3,000 inhabitants. This place.

also, has been possessed by different parties, during the revolutionary struggles of Mexico. Each in turn contributed to help reduce it to ruins. There are one or two squares built of stone; and a church, which makes some pretensions to elegance. It does not, probably, contain at present more than 1,200 inhabitants.

On the upper waters of the Rio del Norte, and very far to the north of St. Antonio, is the village of Santa Fe, a place better known to the people of the United States, than almost any other in Texas, as being the town, with which a very considerable trade is carried on over land by packed mules and horses from St. Louis in Missouri. In consequence of this trade, this village is represented to be in a thriving condition. It was a considerable town, when Pike visited it. The chief settlements in this state, for such is the name, which it now assumes, are that, of which Santa Fe is the centre; the settlements along the Rio del Norte, of which the Paso del Norte is the centre; and that about St. Antonio and Nacogdoches. The eastern part of the state is principally inhabited by Americans from the United States. They have a populous settlement on the Iyish Bayou. Mr. Austin has settled a very considerable colony of Americans, amounting to 300 families, on the Brazos and the Colorado. They suffered much at the commencement. But the circumstances of the colony, are now represented to be comfortable; and that it is rising in its prospects.

This state, from its position, in relation to our south-western frontier, and to the most wild and unsettled part of our country, has been a resort, for a great number of years, for adventurers, and men of desperate fortunes; a point, to which stolen negroes from the American states were carried; and whence African slaves have been smuggled into our country. It has been in a turbulent and revolu-

tionary condition for a great many years. The passion for wandering, and especially to the south-west, which possesses a great portion of the southern and western people, has caused, that the country of Texas has been a point of desire, as a place of immigration to vast multitudes of adventurers. With some, these longings evaporate in theory, and the distant contemplation of desire. Many hundreds have carried their desires into effect; and have found, when they have at length arrived at the desired haven, nothing but poverty, sickness, disappointment and wretchedness. We could record a long and melancholy catalogue of cases, like these, which we have ourselves seen. But, such is the passion to immigrate to this country, that in autumn, in all the great directions of approach to it, we still see lines of wagons, and moving families, marching away from our good and happy country, to find a paradise, if they can in Texas. Arrived there, all the illusion of imagination operating best at a distance, ceases. The immigrants find themselves in a new climate, under a new government, in a new order of things, in a country remote from markets, beautiful indeed to the eye; but deriving little substantial advantage from its barren beauty; and they become disappointed, discouraged, often sick, and generally poor and destitute, and a scene of wretchedness ensues, that beggars all description.

Climate. The northern parts of Texas about Santa Fe, being nearly in the latitude of the southern division of Missouri, has a climate, not unlike this country. The northern interior of Texas is less subject to rains in the summer, than Missouri; and the country generally suffers in the summer months from drought. The high and central parts of this state, as the country for example about St. Antonio, have a salubrious and delightful climate. From its elevation, the vicinity of mountains, and its being swept by

the regular breezes of the gulf, it never suffers the same exhausting heats, as the low and humid country in the parallel latitudes on the Mississippi. Perhaps no country can boast a finer or more salubrious climate. Cotton and sugar cane grow well in Mr. Austin's colony. Figs, oranges, olives, dates and fruits of that kind might be cultivated. But most of the people are as yet either too poor, or too indolent to think of any thing beyond mere subsistence.

History. La Salle, from Canada, as we have seen, made the first settlement in this country, in 1683. It was at the mouth of the Guadalupe. We have no certain accounts that the Spanish crossed the Rio del Norte into this country until 1714. The first point which they occupied was Adayes, not far from Natchitoches. The French, as we have seen, occupied the latter place about the same time. A conflicting claim was thus established on the part of the French and Spanish occupants to the extensive country, now called Texas, east of Rio del Norte. The French always claimed to that river, until the peace of 1762, when the whole province of Louisiana was ceded to Spain. The claim was revived, when our government became possessed by purchase of the rights of France to the country. It was occasionally agitated between our government and that of Spain, until it was finally merged in the treaty with Spain, by which we acquired Florida.

1. The first step in the process of the investigation was to identify the problem. The problem was identified as a lack of communication between the different departments of the company. This was caused by the fact that each department was working in isolation and not sharing information with the others. This led to a lack of coordination and a waste of resources. The second step was to identify the causes of the problem. The causes were identified as a lack of communication, a lack of coordination, and a lack of resources. The third step was to identify the effects of the problem. The effects were identified as a lack of productivity, a lack of quality, and a lack of customer satisfaction. The fourth step was to identify the solutions to the problem. The solutions were identified as improving communication, improving coordination, and improving resources. The fifth step was to implement the solutions. The solutions were implemented by the different departments of the company. The sixth step was to evaluate the results of the investigation. The results were evaluated by the different departments of the company. The seventh step was to report the results of the investigation. The results were reported by the different departments of the company. The eighth step was to conclude the investigation. The investigation was concluded by the different departments of the company. The ninth step was to implement the conclusions of the investigation. The conclusions were implemented by the different departments of the company. The tenth step was to evaluate the results of the implementation. The results were evaluated by the different departments of the company. The eleventh step was to report the results of the implementation. The results were reported by the different departments of the company. The twelfth step was to conclude the implementation. The implementation was concluded by the different departments of the company. The thirteenth step was to implement the conclusions of the implementation. The conclusions were implemented by the different departments of the company. The fourteenth step was to evaluate the results of the implementation. The results were evaluated by the different departments of the company. The fifteenth step was to report the results of the implementation. The results were reported by the different departments of the company. The sixteenth step was to conclude the implementation. The implementation was concluded by the different departments of the company. The seventeenth step was to implement the conclusions of the implementation. The conclusions were implemented by the different departments of the company. The eighteenth step was to evaluate the results of the implementation. The results were evaluated by the different departments of the company. The nineteenth step was to report the results of the implementation. The results were reported by the different departments of the company. The twentieth step was to conclude the implementation. The implementation was concluded by the different departments of the company.

APPENDIX.

In compiling the foregoing work, the object has been to generalize, as much as possible, to compress facts as nearly as might be into an abstract form, and avoid as many proper names, as might consist with any degree of distinctness of narrative. Whole volumes of narrative carried out into minute detail have been entirely pretermitted. Much of this narrative had deep interest from the simplicity and force of the narration, from the freshness of strong feeling infused into it, and the rough energy of the style and manner of those, who described events, which they saw, and in which they personally took a part. But in order to preserve some of these west country documents of history, we have given entire one personal narrative, that of General L. of Cincinnati, a distinguished and respectable citizen of the state of Ohio, who has been in the country from the beginning, and who probably has seen, as much of its progress, as any other man in it. To us, details of this class have great interest from their graphic force and freshness. The following will serve, better than a volume of dissertation, to show the modes of backwoods life, and under exactly what circumstances these great establishments in the western country commenced. Without farther preface, we enter upon the relation of General L.

My father was an emigrant from Cumberland county, Pennsylvania near Carlisle. In the autumn of 1779, he left home, with his family for Kentucky, then a part of

Virginia. He did not reach the Monongahela until the winter was too far advanced to allow his descending the Ohio before spring. In company with two men, who were bound with their families to the same point, he built three large arks, or as they were afterwards called Kentucky boats. The winter proved uncommonly severe, and by suspending the operation of the saw mills in that country, procrastinated their arrangements, until the first of the following April. By advertisements, all the adventurers in that part of the country, who were bound to Kentucky, were requested to assemble at a large island in the Ohio, a few miles below Pittsburg. It was proposed to remain here, until a sufficient force should have assembled to pass with safety amidst the country of savage hostility, which lay between them and Kentucky.

So numerous was the concourse of adventurers to this point, that in two days after his arrival, sixty-three boats were ready to sail in company. A part of these boats were occupied by families; another by young men descending the river, to explore the country; and the remaining portion by the cattle belonging to the emigrants. The number of fighting men on board, probably amounted to nearly a thousand. My father had been a practised soldier in the former wars of the country, and had been stationed, as such, three years at Pittsburg. He was of course versed in the modes, requisites, and stratagems of Indian warfare.

A number of his associates had been trained in the same way. The descending boats were arranged in an order of defence, not, perhaps, entirely according to the technical exactness of a fleet in line of battle. Pilot boats headed the advance. The boats manned by the young men sustained each wing, having the family boats in the centre, and the stock boats immediately in the rear of

them, and the rear guard boats floating still behind them. The boats moved with great circumspection, floating onwards, until they were abreast of a place favorable for furnishing range and grazing for the cattle, when they landed, and turned them loose for this purpose. While their cattle were thus foraging in the joy of a short emancipation from the close prison of the boats, their owners kept a vigilant watch outside of their range to prevent the savages from assaulting them.

We arrived without molestation at Limestone, now Maysville. Captain Hinkston of our company with three or four other families concluded to remain here. They immediately commenced the customary preparations for rearing cabins. We tarried with them but half a day, during which time a company from our number turned out to hunt in the wild woods. The party killed several buffaloes, and I now for the first time tasted their flesh. At ten the next morning, April 12th, 1780, the pilot boats gave signals, that the enemy were drawn up in hostile array on the northern, or what was called the Indian shore of the Ohio. The boats immediately landed in a concerted order half a mile above the foe. It was arranged, that half the fighting men should be in readiness to spring on shore, the moment the boats should touch land. They were then to form and march down upon the Indian encampment. The Indians were encamped opposite Licking, where Front street now intersects Broadway in Cincinnati. Their number did not much exceed 150; whereas we numbered nearly 500. Discovering a force, so much superior, moving rapidly upon them, they fled in so much haste and disorder, as to leave part of their movables behind them. Our party pursued them four or five miles, up what is now called Mill Creek. Some of the Indians were on horse-

back, and they fled faster, than their wearied pursuers could follow them on foot.

We returned to our boats and floated unmolested to Beargrass, at the Falls of Ohio. We arrived the 15th, of April. After surveying the vicinity, my father selected a place five miles back from the river. It was a large body of land of extreme fertility, and in the centre of it was a fine spring. Here he encamped, and commenced clearing. In a short time, he was joined by more than forty families. In a fortnight they had built as many cabins, in four straight lines so arranged, as to form a hollow square. At the angles were block houses. The cabin doors all opened into the hollow square. In the centre of one of the sides, leading to the spring was a large gate way, and one of the same dimensions, to match on the opposite side. The planks of the boats, in which they had descended the river, were wagoned out from the river, to furnish floors and doors for these dwellings. Through the walls were port-holes, from which, in case of attack, they fired upon the foe.

Thus sheltered and defended, the next object was gardens and fields. A small reserve remained in the enclosure, and were stationed on the tops of the houses, to survey the scene of operations, and give notice of approaching danger. The new settlement suffered little annoyance, until June, when Indian hostilities, manifested in the customary way, broke out on every side. In some instances, they were successful in breaking up whole stations, and in others they were severely chastised, as in the expedition undertaken against them by George Rodgers Clark.

This punishment restrained them to a sufficient interval of peace, to enable us to gather in our crops of corn. We witnessed with astonishment the results of a virgin soil,

that had never yet been cultivated. The extent of ground cultivated by each individual was necessarily small.—Some of the settlers had the curiosity to measure the amount of corn, gathered from an acre. It ranged from eighty, to one hundred and twenty bushels. Most of the immigrants had moved from a thin and barren soil, which required assiduous cultivation even for the small crops, which it yielded. Here the horn of plenty seemed to be emptied almost spontaneously. They had generally come also from a much severer climate. The inclemency of the former winter had led them to prepare for a winter similar, to that of the country, from which they had emigrated. They made careful and laborious preparations for the severe weather, such as plastering the chasms of their cabins, gathering fuel, &c. But to their agreeable surprise, there were but three days, that might be denominated freezing weather, during the winter. These days were in the middle of January. For the rest, the weather exhibited every variety of aspect, that all the climates of the world could show, among which were frequent showers of thunder and lightning. This, it will be recollected, was the winter of 1780 and '81; and it very much resembled the present winter, 1828, except that we have had more cold days, and not so many thunder showers.

In the spring of 1781, realizing the continual exposure of the family, and the risk of his fine stock of cattle and horses, my father determined to move farther into the interior of Kentucky. Accordingly, he moved an hundred miles into the interior to Kincaid's Station, near where the town of Danville now stands. That part of the country was filling rapidly with settlers from Virginia, through what was then called the 'Southern wilderness road.' Although we felt ourselves much more secure here, than in the position, which we had left, the country beginning al-

ready to have an interior and frontier, we often experienced annoyance even here. The Indians frequently made inroads, as far as to our present station, killing the cattle, stealing the horses, and sometimes murdering the inhabitants.

I pass over the expedition of general Clark against the Indians, in which a number of their towns were destroyed, and the severe retaliation, which they practised along with their allies the British; and also the bloody affair of the Blue Licks, and return to matters personal to my father's family. The gloom created by that disastrous conflict was diffused over all the country. All those, who were not bound to it by the ties of family, made haste to escape from it, and in ten days, scarcely more, than three hundred effective men were left in the country. But this extreme alarm soon passed away. The settlements were consolidated by the joining of the weaker to the stronger. The block houses were more strongly fortified, and the people, attached to their rural abundance, and their peculiar ways of life, determined to remain where they were, and defend themselves to extremities.

In the subsequent autumn, many adventurers joined us from the old settlements. The army of lord Cornwallis soon after surrendered, and the American soldiers and their enterprising officers, disengaged from service by that event, flocked to this fertile wilderness. In the course of the next year, we became more formidable than before. Although the Indian war still continued, the security inspired by numbers induced many families, that had been painfully cooped up in close stations, to leave their enclosures, and to disperse themselves on detached farms over the country.

In 1784, my father moved to Lexington, and raised a crop, on what are the out lots of the present town. My

father was entitled to a bounty of 3,000 acres of land, a little above the upper Blue Licks, in consequence of services rendered as a captain, in what was called the French war. It had been surveyed; but he wished to survey it more accurately. Accordingly, he made all the minute preparations requisite in such cases. I prevailed on him to allow me to accompany him. Accordingly, our party well mounted proceeded through the forests for the tract. We took along with us a number of led horses, according to custom in such cases, in order to bring in a sufficiency of buffalo meat to serve the family, during the subsequent winter. Our travel was laborious, for we were obliged to make our way through a thick cane brake. On the evening of our second day's journey, we encamped on what my father supposed to be his tract of land.

Our first business was to retrace the lines of the former survey. Our next was to hunt buffalos and the other wild game of the country, for subsistence. I was then fourteen years old, and my training in the modes of backwoods life, as well as inclination and practise, had given me a dexterity and closeness in the use of the rifle, equal to the expertest Kentuckian of my years. We saw numerous traces of the animals of our search on every side. We performed an operation for our horses, to prevent their escape, technically called in the western country 'hobbling;' and with this precaution left them to pasture in the cane brake. We suspended our baggage on the trees, to place it out of the reach of the wolves. We divided into three parties of pairs. My father and myself formed one. We had not advanced more than five miles, from the point of separation, before we discovered a gang of buffalos feeding. My father paused according to the necessary precaution, to observe the direction of the wind, ordering me to get to the leeward of them. My orders were to shoot the black-

est of the herd behind the shoulders. The expected consequence was, that at the report of my gun, the herd would turn and make towards him, when he calculated to be able to bring down another, as they passed. I obeyed my directions to the letter; but in the act of taking aim, scent of me probably reached them. My ball penetrated the body of the animal farther back, than I intended; and he ran some distance, before he fell. They did not take the direction, which my father had anticipated, and although he eagerly pursued them for some distance, he failed in obtaining a shot. I recharged, pursued, and came up with my father, who had halted, where the buffalo, that I had brought down, laid. The remainder of the herd escaped us. The animal was so wounded, that it would soon die. For convenience, my father determined to move our camp to the buffalo. I had often killed bears, deer and turkeys, but never a buffalo before. It may be imagined, how much a boy of fourteen would be elated by such an exploit. My father proposed to test my backwoods discipline, by requesting me to lead the way through the forest to the camp, distant six miles. I was in a frame of mind to express confidence in my ability to do it, even were the camp distant forty miles.

I preceded him at a brisk walk, until we were in sight of the camp. I saw a smile on my father's countenance, which I interpreted to be one of approbation of my skill. My father here beckoned me to stand, informing me, that it was necessary to take a keen survey of the premises, to ascertain whether savages might not be concealed about the camp awaiting our return. He then preceded me, walking softly, and with great caution inspecting every point in advance, and behind us. Having convinced himself, that there was no ambush on that side, he made a circuit and explored the other side of the camp in the same

way. Having convinced ourselves, that no enemy lurked round, we advanced to the fire, spread our blankets on the ground, and threw ourselves on it for repose. He then admonished me of the necessity of untiring vigilance reminding me, that the danger from the wily foe was often greatest at the moment, when the parties felt themselves most secure. He then directed me to keep a keen look out on the north side of the camp, while he would do the same in regard to the south.

A stratagem was practised upon us, on this occasion, which had well nigh proved fatal to the party practising it. We had not been long on our mutual watch, before I discovered a man lurking in advance towards the camp, keeping a tree between him and myself, in order to screen his body from view. We reclined with our feet toward the fire. My rifle was carefully loaded, the muzzle resting on a log at our heads. At first, I supposed it to be one of our own men, and I determined to be farther satisfied, before I alarmed my father. I discovered in a moment, that he was approaching me, with too much caution for that supposition, that he carefully inspected every thing around us, and made his way with a soft and stealthy step. I allowed him to approach near enough to a tree, at which he was aiming, to enable me clearly to discover, that his face was blacked, and that he wore no hat. I had hitherto remained motionless, and I was convinced, that he had not yet seen me. I cocked my rifle. Even this slight noise aroused my father, who lay with his back to mine looking in a contrary direction. He asked me, what I was doing? I informed him, in a low tone of voice, that I was watching an Indian, who was lurking towards us, apparently to fire upon us, and that I was waiting, until he should reach a tree, towards which he was stealing, and expose his head so, as that I might give him a fatal shot. He asked me,

if I saw more than one, to which I answered in the negative. He then directed me to be sure of my aim, and not fire, until I should have gained sight of a mark in his eye. The person had now gained his tree, and had rested his gun in a position to fire upon us. But as we reclined flat on the ground, and as a log in some measure protected our bodies from his fire, it was necessary for him to survey us closely, in order to find any part of our bodies sufficiently exposed to receive his shot. This I comprehended from his movements, and waited my own opportunity. In putting his head from behind the tree, for this close inspection he exposed half of it. I took aim and drew the trigger, but the gun missed fire. The person hearing the noise instantly jerked back his head. 'I am sorry for that,' said my father in a low tone of voice, and I replied in vexation, that it was the first time it had failed me. It was two minutes, before the person exposed his head for a second survey of us. He once more showed his face, so as almost to give me a shot at him. He finally presented two thirds of his face, and my gun missed fire a second time. Hearing this more distinctly, than the first snapping, he again jerked back his head, and exclaimed, 'why I believe, you have been snapping at me!' I immediately recognized the voice to be that of Crawford, one of our men. He had thrown off his hat and blacked his face, as he informed us, with a view to affrighten me. We were both provoked at this wanton folly; and I assured him, that I still had a good mind to shoot him. My father severely reprimanded him, and I remarked with astonishment upon the circumstance, that my rifle had twice missed fire. To show him the extent of his exposure, I pointed to a white spot on the tree, behind which he had been concealed. I observed to him that it was not larger, than his eye, and that I would demonstrate to him, what his fate would have been in case

my gun had not missed fire. I presented, and my ball carried the bark of the white spot into the tree.

The other men soon after came in. We immediately saddled our horses, mounted, and moved off to the place, where our buffalo laid. We encamped there for the night, and feasted upon the choice pieces of the animal. I found myself ill, during the night; and in the morning my father discovered, that I had the measles, and that they appeared on my face. He proposed in consequence to take me home. It was distant nearly seventy miles, and I was unwilling to interrupt the business, for which he had come out, in this way, and I so informed him, proposing to return alone. He replied, that it would be necessary for me to sleep out at least two nights alone, and that I might become worse on the journey. I answered, that I had no apprehensions of the kind; and that it would not be the first time I had spent nights alone in the woods. In reply, my father renewed his objection, pointing out the additional danger from the Indians, on such a long way. But I overcame all his objections, and was allowed to start off alone. It was a long excursion through a wilderness, which apprehension had too much reason to people with savages, I had the measles, and was but fourteen years old. But such was the training of the youths, of that period in the woods.

I commenced my journey stopping twice the first day, to let my horse feed upon the grass. I took care to select a spot in open woods, where I could survey the country for a great distance around me. I saw abundance of game on my way; but having no use for it, and being charged by my father to make no unnecessary delay, I allowed it to pass unmolested. At night fall I struck a considerable stream. It was easily fordable. Thinking, if any enemy came on my track, it would be easy to baffle him here, I

rode up the middle of the stream half a mile, and ascended a branch, that fell into the stream, two or three hundred yards. I then left the branch, and rode on a mile to a tree top, which afforded plenty of dry wood. I dismounted, hobbled my horse, to feed for the night, kindled me a bright fire, took some of my provisions, and laid myself down to sleep, thinking as little of my measles and lonely situation, as possible.

The next morning, I started at early dawn, expecting to reach home, that night. At ten, I discovered a very large bear near my course. The temptation to give the animal a shot was irresistible to one of my years and inclinations. I dismounted, and killed the animal. Although I could make no use of the carcass, I determined to carry home the skin, as a trophy. I found it a difficult business in the first place, to arrange the large, heavy and greasy hide, so as that it could be carried on horse back. It so frequently slipped from under me, that I found, I must either leave it, or tarry out another night. I concluded on the latter. I had considerable fever, during this night—and did not sleep much. I set off in the morning with the first twilight, and reached Lexington at noon the next day. I was nearly recovered of the measles. In ten days afterwards, my father and his party returned.

Early in the spring of 1785, my father with my brother and myself went out to his lands, sixteen miles from Lexington, and erected a couple of cabins. He then moved his family there, and commenced clearing the lands. But in a few days, we discovered traces of Indians in our vicinity. As it was an unprotected frontier establishment, my father deemed it necessary to enclose his cabins in a stockade. It was done with three lines of palisades, the cabins making the fourth side. During this year we were not much annoyed by the Indians. But the next

summer, they took from us thirteen fine horses at one time. We raised a party and pursued them. We came in view of them, just as they had completed swimming the horses over to a sand bar on the opposite side of the Ohio.— When they discovered us, they exclaimed from the opposite shore, that, we were too late, and might go home again. We had the comfort of exclaiming back again, that they were thieving rascals, and asking them, if they were not ashamed of what they had been doing? They replied with great coolness, not at all; that a few horses now and then was all the rent they obtained of us, for their Kentucky lands. They outnumbered us three to one; and of course we had no prudent course, but to follow that of their advising, and return home without our horses.

It was in the autumn of this year, that general Clark raised the forces of the Wabash expedition. They constituted a numerous corps. Colonel Logan was detached from the army, at the falls of the Ohio, to raise a considerable force, with which to proceed against the Indian villages on the head waters of Mad river, and the Great Miami. I was then aged sixteen, and too young to come within the legal requisition. But I offered myself as a volunteer, hoping to find and reclaim my father's horses. I need not relate the circumstances of the failure of general Clark's expedition. Colonel Logan went on his destination, and would have surprised the Indian towns, against which he marched, had not one of his men deserted to the enemy, not long before they reached the towns, who gave notice of their approach. As it was, he burned eight large towns, and destroyed many fields of corn. He took seventy, or eighty prisoners, and killed twenty warriors, and among the rest the head chief of the nation. This last act caused deep regret, humiliation and shame to the commander and his troops.

We came in view of the two first towns, one of which stood on the west bank of Mad river, and the other on the north-east of it. They were separated by a prairie, half a mile in extent. The town on the north-east, was situated on a high and commanding point of land, that projected a small distance into the prairie, at the foot of which eminence broke out several fine springs. This was the residence of the famous chief of the nation. His flag was flying at the time, from the top of a pole sixty feet high. We had advanced in three lines, the commander with some of the horsemen marching at the head of the centre line, and the footmen in their rear. Colonel Robert Patterson commanded the left, and I think colonel Thomas Kenedy the right. When we came in sight of the towns, the spies with the front guard made a halt, and sent a man back to inform the commander of the situation of the two towns. He ordered colonel Patterson to attack the town on the left bank of Mad river. Colonel Kenedy was also charged to incline a little to the right of the town, on the east side of the prairie. He determined himself to charge with the centre division immediately on the upper town. I heard the commander give his orders, and caution the colonels against allowing their men to kill any among the enemy, that they might suppose to be prisoners. He then ordered them to advance, and as soon as they should discover the enemy, to charge upon them. I had my doubts touching the propriety of some part of the arrangements. I was willing, however, to view the affair with the diffidence of youth and inexperience. At any rate, I determined to be at hand to see all that was going, and to be as near the head of the line, as my colonel would permit. I was extremely solicitous to try myself in battle. The commander at the head of the centre line waved his sword over his head, as a signal for the troops to advance. Colonel Dan-

iel Boone and major, since general Kenton commanded the advance, and colonel Trotter the rear. As we approached within half a mile of the town on the left, and about three fourths from that on the right, we saw the savages retreating in all directions, making for the thickets, swamps and high prairie grass to screen them from their enemy. I was animated with the energy, with which the commander conducted at the head of his line, as he waved his sword, and in a voice of thunder, exclaimed, 'charge from right to left' The horses appeared as impatient for the onset, as their riders. As we came up with the flying savages, I was disappointed, discovering, that we should have little to do. I heard but one savage, with the exception of the chief, call for quarter. They fought with desperation, as long as they could raise knife, gun, or tomahawk, after they found, that they could not screen themselves. We despatched all the warriors, that we overtook, and sent the women and children prisoners to the rear.

We pushed ahead, still hoping to overtake a larger body, where we might have something like a general engagement. I was mounted on a very fleet gray horse. Fifty of my companions followed me. I had not advanced more than a mile, before I discovered some of the enemy running along the edge of a thicket of hazle and plum bushes. I made signs to the men in my rear to come on. At the same time, pointing to the flying enemy, I obliqued across the plain, so as to get in advance of them. When I arrived within fifty yards of them, I dismounted, and raised my gun. I discovered at this moment, some men of the right wing coming up on the left. The warrior, I was about to shoot, held up his hand in token of surrender, and I heard him order the other Indians to stop. By this time the men behind had arrived, and were in the act of firing upon the Indians. I called upon them not to fire, for that

the enemy had surrendered. The warrior, that had surrendered to me came walking towards me, calling his women and children to follow him. I advanced to meet him with my hand extended. But, before I could reach him, the men of the right wing of our force surrounded him. I rushed in among their horses. While he was giving me his hand, several of our men wished to tomahawk him. I informed them, that they would have to tomahawk me first. We led him back to the place, where his flag had been. We had taken thirteen prisoners. Among them were the chief, his three wives, one of them a young and handsome woman, and another the famous grenadier squaw, upwards of six feet high, and two or three fine young lads. The rest were children. One of these lads was a remarkably interesting youth about my own age and size. He clung closely to me, and appeared keenly to notice every thing, that was going on.

When we arrived at the town, a crowd of our men pressed round us to see the chief. I stepped aside to fasten my horse, and my prisoner lad clung close to my side. A young man, of the name of Curner, had been at one of the springs to drink. He discovered the young savage by my side, and came running towards me. The young Indian, probably, supposed he was advancing to kill him. As I turned round, in the twinkling of an eye he let fly an arrow at Curner, for he was armed with a bow. I had just time to catch his arm, as he discharged the arrow. It passed through Curner's dress, and grazed his side. The jerk, I gave his arm, undoubtedly prevented the arrow from killing Curner on the spot. I took away the remainder of his arrows, and sternly reprimanded him. I then led him back to the crowd, which surrounded the prisoners. At the same moment colonel Magery, the same man, who had caused the disaster at the Blue Licks some years before,

came riding up. General Logan had just been giving orders to dispose of the prisoners in one of the houses, and place a guard over them, and had reined his horse around, when his eye caught that of Magery. 'Colonel Magery,' said he, 'you must not molest those prisoners.' 'I will see to that,' said Magery in reply. I found my way through the crowd to the chief, with my young charge by the hand. Magery ordered the crowd to open, and let him in. He came up to the chief, and the first salutation was in the question, was you at the defeat of the Blue Licks? The Indian not knowing the meaning of the words, or not understanding the purport of the question, answered, yes?—Magery instantly seized an axe from the hand of the grenadier squaw, and raised it to make a blow at the chief. I threw up my arm to ward off the blow. The handle of the axe struck me across the left wrist, and came near breaking it. The axe sunk into the head of the chief to the eyes, and he fell dead at my feet. Provoked beyond measure, at this wanton barbarity, I drew my knife with the purpose to avenge his cruelty by despatching him.—My arm was arrested by one of our men, which prevented my inflicting the thrust. Magery escaped from the crowd. The officer at that moment came up with his guards, ordering the men to open the crowd, and desiring the prisoners to follow him to the guard house. The lad, that was my prisoner caught my hand, and held fast to me. I walked with them to the guard house, into which they were ordered. A strong guard was placed around the house. Other prisoners were brought in, until the house was nearly filled. A detachment was then ordered off to two other towns, distant six or eight miles. The men and prisoners were ordered to march down to the lower town and encamp. As we marched out of the upper town we fired it.

The narrative of General L. here breaks off. We only observe, that this is the narrative by a gentlemen not only an eye witness, but personally engaged in the expedition against the Piqua towns, related in the History of Kentucky.

EXTRACTS FROM NOTES ON KENTUCKY.

In the month of August, 1786, Mr. Francis Downing,* then a lad, lived in a fort, where soon afterwards iron-works were erected by Mr. Jacob Myers, which are now known by the Slate creek works, and owned by colonel Thomas Dye Owings.

One morning, a young man by the name of Yates, together with Mr. Downing, went out in search of a horse, that had strayed away from the fort. After travelling six or eight miles in search of the horse, Downing began to be alarmed at the idea of danger from Indians, and observed to Yates, (who was much older than himself, and to whom he looked up for protection) that he thought he heard a noise like sticks cracking behind them. Yates laughed at him, and told him not to be a coward—that it was only his imagination, and that there was no danger whatever. Downing, however, was not convinced, but embraced the first favorable opportunity afforded him for concealment, to stop in a thick cluster of whortleberry bushes, while Yates went on. In a few minutes an Indian was seen by Downing, running towards him, until he was within an hundred yards, when he suddenly stopped.—Downing, to use his own expression, was as it were, *thunderstruck*. He resolved, however, as he had a gun to fire, and then run: but unfortunately his gun having a double trigger, before he had raised her to his face, she went off,

* Mr. Downing is a respectable citizen, now living in Lexington.

and, as he remarks, *he instantly went off too!* After running some distance, he met Yates, who having heard the report of the gun, had turned to ascertain what was the matter, and learning that they were closely pursued by Indians, they ran together. At length they reached a declivity, and were compelled in following the path, to descend into a valley surrounded with hills. Here they soon saw two Indians, who had taken a shorter course, and were running by another route towards the bottom of the valley. There was no alternative: it was absolutely necessary to keep the path, and to run with the utmost possible rapidity, although from the superior knowledge possessed by the Indians of the different roads, they had gained considerably on the pursued, and seemed likely soon to overtake them. Both parties ran on until they reached a dry gutter in the middle of the valley, about six feet deep and of considerable width. The Indians had, by this time approached very near them, and attempted to leap over the gutter at about the same time with the whites. All got across safe except Mr. Downing, who just reached the edge of the gutter against which, striking his foot, he fell upon his breast, rebounded and fell backward into the gutter. The violence of the fall almost deprived him of breath for a time, but fortunately the Indians were too intent upon the chase to observe his remaining behind, and both happening to direct their attention solely to Mr. Yates, continued to pursue him. Mr. Downing at length recovering from the shock, walked along in the gutter, which grew shallower as he advanced, and soon ceased to serve the purpose of concealing him from the sight of the Indians. At length he discovered one of them returning in search of him—he instantly dropped his gun, left the gutter, and ran back the same way he had come. The injury, he had received from his

fall, affected his speed, and the Indian gained upon him rapidly. After running a considerable distance, considering his case a desperate one, and his being overtaken inevitable, he came to a large poplar tree, which had been blown down by the wind. It so happened, that whilst he ran along one side of the tree, the Indian pursued him on the other. At this critical moment, he felt himself caught by the leg, and was compelled to make a momentary pause, when he perceived that he had been stopped by a small dog, which instantly ran away from him. This pause had given to the Indian a considerable advantage, and he perceived himself likely to be caught at the root of the tree. Most fortunately however, just at that spot a large she bear had taken up her abode with several cubs. Not being pleased with the violence with which the Indian approached her young, she instantly attacked him, when Mr. Downing, taking advantage of the interference of this unexpected coadjutor, suddenly wheeled around, and left the savage engaged in a most violent struggle with his new adversary. What was the result of the rencontre, we are not informed. It had, however, the happy effect of preserving Mr. Downing from almost inevitable destruction; and as no remains of the Indian was ever afterwards found, at or near the place, it is probable he escaped with his life, if not with considerable injury.

Mr. Yates likewise succeeded in getting off unhurt. After running several miles, he concealed himself amidst trees or in a canebrake, and thus eluded the pursuit; and returned home safe.

It was a custom with Mr. Downing, in the summer, about the time referred to above, to go out of the fort every afternoon, to a cluster of hickory trees several hundred yards distant, for the purpose of shooting squirrels, which at that place were very numerous. Near his path, (as he

afterwards discovered) fifteen Indians lay concealed for three days, behind a large log, where they had placed a number of bushes to serve as a blind, there waiting for a favorable opportunity to kill some one or more men, and obtain plunder. The two first days he passed as usual to the hickory grove and back again without molestation, the Indians probably being aware, that little if any thing could be obtained from him, and fearing that an attack upon him would lead to immediate detection and pursuit. On the third day he observed that the bushes around the log were apparently dying, and being unable to conjecture the cause, was attracted by curiosity towards the spot, and he advanced to within about ten feet, for the purpose of ascertaining what was the matter, when his attention was caught by the fluttering of a beautiful bird, entangled in some burs just by him. He instantly turned and caught the bird, which drew off his curiosity about the dying bushes, and he returned to the fort, and spent the remainder of the day in making a cage for the bird. Had he not been interrupted, he would inevitably have been taken by the Indians without the firing of a single gun. So completely were his thoughts occupied with his little bird, that he forgot to mention the circumstance of the dying bushes. The next morning early, a pack-horse driver and his son went out to see after their horses, when the concealed Indians shot them both, scalped and stripped them before the people of the fort, who heard the guns, could get to the place. They having previously stolen and secured a number of horses, they instantly made off.

One Sunday morning, three men, one by the name of Poor, another named Wade, the name of the third not recollected, who had been in the habit of reconnoitering the country in the capacity of spies, proposed to Mr. Downing to go with them to Mud Lick, now the Olympian springs,

seven miles distant from the fort. They accordingly set out together on foot, and travelled unmolested until they came in sight of the Lick. As they ascended a hill, they discovered several hundred buffalos, elk and deer, which they considered an indication, that there were no Indians there; but whilst they were surveying the prospect, and were descending the hill, Poor and Wade, who were some distance in advance of Downing and his companion, suddenly turned round and gave notice, that there were ten or fifteen Indians sitting and endeavoring to conceal themselves in the drain that proceeded from the Lick, and that it was necessary, that they should fly for their lives. They immediately started and ran with all possible speed, but soon heard the Indians behind them. The pursued took one path, and the pursuers another, but after a short distance the two paths came together—the whites however reached the point of junction before the Indians, although the latter had gained by the choice of path. Young Downing being small, and not like his companions accustomed to running, was unable to keep up with them, and was advised as the only chance of his escape, to embrace the first opportunity when the situation of the road should throw him out of sight of the Indians, to step behind a log and lie concealed, whilst the rest of the party ran on. Reluctant as he felt to be left in the woods surrounded by savages, he considered it the only alternative, and followed the advice. Accordingly, the first opportunity that presented itself, he jumped aside from the path, and lay close behind a log. The Indians soon came along, and eager in the pursuit to overtake those whom they still saw before them, passed by Downing, who lay trembling by the way side. About ten minutes after they passed, he ventured to rise and leave his place of concealment; for some time, however, he was utterly at a loss what course to pursue. To go back

towards the Lick was his first thought, but it was abandoned almost as soon as conceived. In this state of uncertainty, he slowly walked along the path in the direction the Indians had taken. A little reflection, however, convinced him of the danger of this course, as it was very probable they would soon turn and come the same direction back; he therefore left the path, and, after wandering through the woods, reached the fort in safety, several hours after his companions, who outran their pursuers and returned likewise.

On another occasion, Mr. Downing fell in company with Wade and Poor at Stroud's Station, and set out with them to return to the fort. On their way, it was proposed and agreed to go about three miles from the road to a place called Cassidy's Station, (where a settlement had been made and abandoned on account of its exposure to the Indians) in order to get watermelons, which were in great abundance at that place. When they came near the enclosure, Wade and Poor told Downing to sit on his horse, and hold their horses, whilst they went to reconnoitre and ascertain whether they could enter the watermelon patch in safety—charging him on no account to leave the horses, or move from the spot until they returned, unless the Indians should appear, or he should hear a signal agreed on, by a sound made on corn blades, in which last case he should repair immediately to a corner of the fence, and there wait for them. They accordingly went leaving him alone; and having been absent a considerable time, he began to be uneasy, and regardless of the positive injunctions he had received, determined to go and see what was the matter. With this view he dismounted, and tied his horses to the poles which formed the fence of the enclosure, jumped over and began to make his way through the high broom-corn, which concealed the houses from view.

When he had almost reached the extremity of the corn field, he caught a glimpse of the cottages, and saw a man, whom he took to be an Indian, run from one house to another, and at the same instant heard the signal, agreed on, given by his companions. He was now aware of the imprudence of which he had been guilty, and ran with all possible speed towards the fence. Unfortunately, however, the violence with which he jumped over it alarmed the horses, and they ran off, each with a pole hanging to its bridle. Wade and Poor went to the corner of the fence according to agreement, but, not finding Downing or the horses, were exceedingly alarmed, and ran to ascertain the cause, when they saw the horses running off and Downing running after them. With the utmost expedition they caught their horses, cut away the poles, sprang on them and rode several miles in full speed without uttering a single word. At length, having recovered their self-possession, they discovered they were not pursued, and proceeded on deliberately home, censuring Downing in the most pointed language, for his imprudent conduct which had put to hazard the lives of the whole party.

Area of the country watered by the principal rivers and branches in the United States.

	<i>Square Miles.</i>
Missouri Territory, $\frac{1}{2}$ - - - -	698,000
Missouri, - - - -	60,309
Arkansas Territory, - - - -	121,000
Louisiana, $\frac{1}{2}$ - - - -	36,000
North West Territory, $\frac{1}{2}$ - - - -	72,000
Illinois, $1\frac{1}{2}$ - - - -	58,310
Indiana, $\frac{1}{2}$ - - - -	34,940
Ohio, $\frac{1}{2}$ - - - -	30,800
Pennsylvania, $\frac{1}{2}$ - - - -	14,650
New York, $1\frac{1}{2}$ - - - -	460
Maryland, $1\frac{1}{2}$ - - - -	110
Virginia, $\frac{1}{2}$ - - - -	25,600
Kentucky, - - - -	39,000
North Carolina, $\frac{1}{2}$ - - - -	900
Tennessee, - - - -	41,300
South Carolina, $1\frac{1}{2}$ - - - -	200
Georgia, $1\frac{1}{2}$ - - - -	380
Alabama, $\frac{1}{2}$ - - - -	7,250
Mississippi, $\frac{1}{2}$ - - - -	22,670
Total,	1,263,870
Valley of the Missouri, - - - -	674,000
Valley of the Mississippi above the mouth of Ohio, - - - -	225,000
Valley of the Ohio and its waters, - - - -	205,000
Valley of the Mississippi and its waters, below the mouth of Ohio, - - - -	290,000
	1,394,000
Missouri, from its source to its junction with the Yellow Stone, - - - -	680
Do. to its junction with the Mississippi, - - - -	1370
	2050
Mississippi Proper, from its source to its junction with the Missouri, - - - -	780
Alleghany River, the highest source of the Ohio, to its junction with the Monongahela, - - - -	200
Do. to its junction with the Mississippi, - - - -	680
	880

Mississippi, from the junction with the Missouri to its outlet, - - - - -	916
Greatest length of the Mississippi from its outlet to the highest point of the Missouri, - - -	2960
Do. to the highest point of Mississippi Proper, - - -	1690
Do. to the highest point of the Ohio, - - -	1790
<i>Tributary Streams.</i>	
Of the Missouri—Yellow Stone, - - -	580
- La Platte, - - -	790
- Kansas, - - -	630
- Osage, - - -	480
Of Ohio—Monongahela, - - -	120
- Cumberland, - - -	400
- Tennessee, - - -	470
Of Mississippi, below Missouri—	
- White River, - - -	470
- Arkansas, - - -	1380
- Red River, - - -	1080

TABLE, NO. I.

METEOROLOGICAL TABLE.

	Sacket's Harbor. 43 55 N. 1 00 E.			Detroit. 42 30 N. 5 48 W.			Prairie des Chiens. 42 36 N. 14 38 W.			Council Bluffs. 41 31 N. 19 45 W.		
	1818.											
1820.	H	L	M	H	L	M	H	L	M	H	L	M
Jan.	30	12	23	44	4	24				40	—22	9
Feb.	57	0	32	42	2	17				71	—8	30
March	64	9	33	61	0	32				70		0 34
April	74	22	48	62	88	41	88	12	57	94	24	58
May	70	22	52	81	34	53	90	39	61	90	50	69
June	84	50	65	86	51	70	99	50	75	99	55	74
	1820.											
July	87	58	73	92	65	69	90	54	74	97	58	75
Aug.	85	54	71	94	62	75	94	54	72	105	59	75
Sept.	87	44	66	92	47	71	90	32	64	92	42	68
Oct.	76	30	52	74	30	51	70	20	44	80	22	47
Nov.	60	20	41	60	24	40	60	—6	33	59	—4	34
Dec.	58	9	26	48	6	27	33	—14	16	50	—5	18
Mean of the year	48° 6'			47° 4'			incomplete.			49° 2'		

— Signifies below Zero.

METEOROLOGICAL TABLE.

	Pitts- burg.			Zanes- ville.			Mariet- ta.			Chilli- cothe.			Cincin- nati.			Jeffer- sonville			Galla- tin.			Hunts- ville.		
	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M
Jan.	42	10	29	68	10	40	67	16	42	64	18	40	70	20	37	66	20	47	74	20	47	70	27	51
Feb.	62	10	42	64	18	39	62	13	39	66	15	40	64	16	42	64	18	44	72	20	48	70	28	53
March	54	21	42	62	10	39	67	15	40	68	14	41	63	10	40	68	19	44	80	12	46	76	26	50
April	81	30	60	83	24	56	89	28	54	78	30	57	79	30	57	78	28	58	82	28	60	81	32	63
May	82	40	58	88	42	65	80	34	64	86	44	69	86	42	66	88	50	69	90	38	67	87	42	69
June	90	54	71	90	50	74	86	56	73	98	60	77	94	51	74	97	60	80	92	54	75	92	62	81
July	92	64	76	93	51	75	88	62	72	74	62	77	91	58	74	94	60	79	90	53	76	90	66	81
Aug.	89	60	72	96	50	78	93	56	78	72	60	80	92	52	77	99	56	82	90	58	75	87	69	79
Sept.	89	41	64	92	41	69	88	48	69	89	52	70	90	45	69	94	50	70	94	42	71	86	60	76
Oct.	76	40	54	76	25	55	81	30	52	86	32	56	83	29	55	72	34	60				83	38	62
Nov.	62	32	46	71	20	49	72	22	48	72	32	59	76	28	51	68	30	53	80	22	54	79	36	58
Dec.	48	28	37	59	6	30	57	12	35	60	16	39	63	12	38	58	4	37				64	18	42
Mean of the year.	54° 2'			55° 7'			55° 6'			58° 8'			56° 8'			60° 3'			incom- plete.			63° 7'		

The highest, lowest, and mean heat for each month, at different situations, will be shown by the following table:

NOTE.—N. stands for North latitude, E. for East longitude and W. for West longitude, H. for highest, L. for lowest, and M. for mean temperature.

METEOROLOGICAL TABLE.

	Fernandina, Fl. 1820.			Fort Scott. 1820.			N. Orleans. 1820.			Baton Rouge. 1820.			Camp Ripley. 1820.		
	30 45 N. 4 37 W.			30 43 N. 7 23 W.			30 00 N. 13 10 W.			30 36 N. 15 14 W.			31 18 N. 16 50 W.		
	H	L	M	H	L	M	H	L	M	H	L	M	H	L	M
Jan.	79	35	55	74	32	55									
Feb.	78	50	65	72	31	61				78	51	64			
March	70	50	64	78	38	66				78	32	61			
April	85	45	72	89	44	68	78	58	73	86	42	70	87	55	76
May	86	61	74	88	56	74	87	72	79	90	58	75	88	54	76
June	87	67	78	91	50	78	91	72	86	94	60	81	92	57	78
July	87	71	80	91	60	79	90	80	89	90	70	79	93	72	81
Aug.	88	70	79	92	68	80	92	78	85	92	74	83	94	65	82
Sept.	87	73	80	80	65	75	83	71	81	88	64	77	92	56	77
Oct.	85	50	69	89	60	70	84	45	65	88	40	67	85	48	66
Nov.	76	43	64	78	40	60	75	39	57	84	36	61	84	32	60
Dec.	75	50	61	84	32	59	77	39	60	76	40	60	79	28	53
Mean of the year	70° 1'			68° 7'			incomplete.			incomplete.			incomplete.		

METEOROLOGICAL TABLE.

	Average at			General Average.	Highest, and place of observation.	Lowest, and place of observation.	Range.
	7	2	9				
Jan.	25	33	29	29	79 Fernandina	† —30 St. Peters	109
Feb.							
March	41	49	44	45	78 Belle Fontaine	—10 St. Peters	88
April	56	66	60	61	94 Council Bluffs	10 St. Peters	84
May							
June	70	84	74	76	99 Prairie des Chiens	50 Ditto.	49
July							
Aug.	73	81	75	76	*105 Council Bluffs	30 St. Peters	69
Sept.	67	76	70	71	99 Ditto.	20 Prairie du Chien	68
Oct.	52	60	56	56	88 Baton Rouge		
Nov.	42	50	46	46		—7 St. Peters	91
Dec.							
Gen. Mean.	52	62	56	57	*105 Sunday, 13th of August.	† —30 Sunday, 30th of January,	135

Places.	Winds.										Atmosphere.				
	N	N.W.	N.E.	E.	S.E.	S.	S.W.	W.	Clear.	Cloudy.	Rain.	Snow.			
Portsmouth	16	147	40	32	22	35	28	41	208	116	23	18	In the coldest climate.		
St. Peters, eleven months	19	74	21	2	71	34	70	53	223	32	57	31			
Sacket's Harbor	48	58	47	14	42	25	88	38	186	93	54	37	Middle climate.		
Prairie des Chiens, nine months	11	80	9	2	26	8	81	27	138	51	46	9			
Council Bluffs	41	62	34	23	113	46	27	16	236	73	48	11	Temperate climate.		
Detroit, six months	21	10	9	13	18	76	17	20	84	86	12	2			
Pittsburg	26	54	36	25	58	28	71	42	210	55	45	20	Hottest climate.		
Fernandina	15	32	82	25	145	6	41	20	257	68	40	0			
Baton Rouge, eleven months	15	69	35	23	65	17	103	8	162	76	97	0			

TABLE, NO. II.

<i>Acer rubrum,</i>	-	-	-	-	Red Flowering maple,
<i>Acer nigrum,</i>	-	-	-	-	Black sugar maple.
<i>Acer negundo,</i>	-	-	-	-	Box elder.
<i>Amygdalus persica,</i>	-	-	-	-	Peach.
<i>Andromeda racemosa,</i>	-	-	-	-	Red lead.
<i>Annona triloba,</i>	-	-	-	-	Pawpaw.
<i>Arundo gigantea,</i>	-	-	-	-	Large cane.

<i>Betula lenta,</i>	-	-	-	-	Black birch.
<i>Bignonia catalpa,</i>	-	-	-	-	Catalpa.

Bayou,—This word, originally Spanish, signifies the diminutive of bay—but in Louisiana the term is synonymous with our word creek, and consequently becomes the diminutive of river.

<i>Cactus cylindricus,</i>	-	-	-	-	Prickly pear.
<i>Carpinus ostrya,</i>	-	-	-	-	Iron wood.
<i>Carpinus americana,</i>	-	-	-	-	Horn beam.
<i>Castanea pumila,</i>	-	-	-	-	Chincapin.
<i>Celtis crassifolia,</i>	-	-	-	-	Blackberry.
<i>Cerasus caroliniana,</i>	-	-	-	-	Laurier almond.
<i>Cerasus virginiana,</i>	-	-	-	-	Wild cherry.
<i>Chamaerops louisiana,</i>	-	-	-	-	Palmetto, or latania.
<i>Citrus aurantium,</i>	-	-	-	-	Sweet orange.
<i>Cornus florida,</i>	-	-	-	-	Dogwood.
<i>Cornus alba,</i>	-	-	-	-	Swamp dogwood.

Crevasse,—from the French verb *crever*, to burst.

<i>Cupressus disticha,</i>	-	-	-	-	Cypress.
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<i>Diospiros virginiana,</i>	-	-	-	-	Persimon.
<i>Fagus sylvestris,</i>	-	-	-	-	Beech.
<i>Fraxinus tomentosa,</i>	-	-	-	-	Red ash.
<i>Fraxinus aquatica,</i>	-	-	-	-	Water ash.

<i>Gleditsia monosperma,</i>	-	-	-	-	Water locust.
<i>Gleditsia triacanthos,</i>	-	-	-	-	Honey locust,

<i>Ilex opaca,</i>	-	-	-	-	Holly.
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<i>Juglans cathartica</i> ,	-	-	-	Butternut.
<i>Juglans anara</i> ,	-	-	-	Bitternut hickory.
<i>Juglans aquatica</i> ,	-	-	-	Swamp hickory.
<i>Juglans laciniosa</i> ,	-	-	-	Thick shell bark hickory.
<i>Juglans myrtilloides</i> ,	-	-	-	Nutmeg hickory.
<i>Juglans nigra</i> ,	-	-	-	Black walnut.
<i>Juglans porcina</i> ,	-	-	-	Pignut hickory.
<i>Juglans squamosa</i> ,	-	-	-	Shellbark hickory.
<i>Juniperus virginiana</i> ,	-	-	-	Red cedar.
<i>Laurus sassafras</i> ,	-	-	-	Sassafras.
<i>Laurus benzoin</i> ,	-	-	-	Spicewood.
<i>Laurus carolinensis</i> ,	-	-	-	Red bay.
Levee,—large ridge of earth thrown up along the banks to confine the waters in the bed of the Missis- sippi,				
<i>Liquidambar styraciflua</i> ,	-	-	-	Sweet gum.
<i>Liriodendrum tulipifera</i> ,	-	-	-	Poplar.
<i>Magnolia glauca</i> ,	-	-	-	White bay.
<i>Magnolia grandiflora</i> ,	-	-	-	Large laurel.
<i>Morus rubra</i> ,	-	-	-	Mulberry.
<i>Morus seabra</i> ,	-	-	-	Spanish mulberry.
Muriate of Soda,	-	-	-	Common culinary salt.
<i>Nyssa aquatica</i> ,	-	-	-	Tupeloo.
<i>Nyssa sylvatica</i> ,	-	-	-	Black gum.
<i>Pavia lutea</i> ,	-	-	-	Buckeye.
<i>Pinus rigida</i> ,	-	-	-	Pitch pine.
<i>Pinus taeda</i> ,	-	-	-	Loblolly pine.
<i>Populus angulata</i> ,	-	-	-	Cotton wood.
<i>Platanus occidentalis</i> ,	-	-	-	Sycamore.
<i>Phytolacca decandra</i> ,	-	-	-	Poke.
<i>Quercus alba</i> ,	-	-	-	White oak.
<i>Quercus aquatica</i> ,	-	-	-	Water oak.
<i>Quercus falcata</i> ,	-	-	-	Spanish oak.
<i>Quercus ferruginea</i> ,	-	-	-	Black jack oak.
<i>Quercus lyrata</i> ,	-	-	-	Swamp white oak.
<i>Quercus macrocarpa</i> ,	-	-	-	Overcup oak.
<i>Quercus obtusiloba</i> ,	-	-	-	Post oak.

<i>Quercus phellos,</i>	-	-	-	Willow oak.
<i>Quercus rubra,</i>	-	-	-	Red oak.
<i>Quercus tinctoria,</i>	-	-	-	Black oak
<i>Quercus virens,</i>	-	-	-	Live oak.
<i>Rigolet, A water that flows both ways.</i>				
<i>Robinia pseud-acacia,</i>	-	-	-	Black locust.
<i>Robinia pumila,</i>	-	-	-	Dwarf locust.
<i>Robinia bistineau,</i>	-	-	-	Bistineau locust.
<i>Rubus villosus (or fruticasus),</i>	-	-	-	Blackberry.
<i>Sambucus rubra,</i>	-	-	-	Red-berried elder.
<i>Tilia pubescens,</i>	-	-	-	Downy Linden.
<i>Ulmus americana,</i>	-	-	-	Mucilaginous elm.
<i>Ulmus rubra,</i>	-	-	-	Red elm.
<i>Ulmus aquatica,</i>	-	-	-	Swamp elm.
<i>Ulmus alata. (winged)</i>	-	-	-	Large leaved elm.
<i>Vaccinium stamineum,</i>	-	-	-	Large whortleberry.
<i>Vaccinium arboreum,</i>	-	-	-	Tree whortleberry.
<i>Vaccinium macrocarpon,</i>	-	-	-	Cranberry.
<i>Vitis verrucosa,</i>	-	-	-	Muscadine.
<i>Vitis laciniosa,</i>	Parsley leaved water grape vine			
<i>Vitis riparia,</i>	-	-	-	River grape vine.

TABLE NO. III.

Genera.	Species.	Auct.	Vulgar Names.
1 AMARANTHUS	- 1 griseizans	-	Wild, Amaranth, pellitory leav.
::	- 2 albus	- id.	white
::	- 3 hybridus	- id.	clustered
	[variet. 2. vel. 3.]		
2 AMARYLLIS	- 1 atamasco	- id.	Alamasco, lily
	[hab. Indian territ.]		
3 AMORPHA	- 1 fruticosa	- Lin.	Bastard indigo
	[hab. ut fama est. ter. steril. Kentuckien-sis.]		
4 AMYGDALIS	- 1 persica	- Lin.	Peach, common

APPENDIX.

Genera.	Species.	Auct.	Vulgar Names.
5 ACER	- - 1 saccharinum	- Mrs.	Maple, sugar
::	- - 2 rubrum	- - Lin.	red
::	- - 3 pennsylvanica	- Mrs.	Pennsylvania
::	- - 4 negundo	- - id.	Box, Elder
6 ALTHŒA	- - 1 frutex	- - Lin.	Althea
7 ASPARAGUS	- 1 officinalis, c.	- id.	Asparagus
8 ASCLEPIAS	- 1 amœna	- - id.	Swallow-wort, oval leav.
::	- - 2 phytolaccoides	- id.	
::	- - 3 syriaca	- - id.	Virginia silk
::	- - 4 incarnata	- - id.	flesh-colored
::	- - 5 hybrida	- - Mx.	variegated
::	- - 6 decumbens	- - Mg.	Pleurisy root
9 ANTHOXANTHUM	1 odoratum	- - Lin.	Spring grass
10 ACTŒA	- - 1 racemosa	- - id.	Squaw root
::	- - 2 alba	- - id.	Bane berry
11 ARALIA	- - 1 spinosa	- - id.	Angelica tree
::	- - 2 racemosa	- - id.	Aràlia, berry-bearing
::	- - 3 nudicaulis	- - id.	naked stemmed
12 ANONA	- - 1 tribola	- - id.	Pawpaw tree
13 ASCYRUM	- - 1 hypericoides	- Wild.	Ascyrum
::	- - 2 Crux-Andrææ	- Lin.	St. Andrew's cross
::	- - 3 villosum	- - id.	
14 ARABIS	- 1 lyrata	- - Lin.	Wall cress, lyre-leaved
::	- - 2 canadensis	- - id.	Canadian
::	- - 3 thaliana	- - Wild.	common
15 ANTIRRHINUM	- 1 linaria	- - Lin.	Toad flax, common
::	- - 2 canadensis	- - id.	Canadian
16 ALISMA	- - 1 plantago	- - Lin.	Plantain, water
17 ÆSCULUS	- - 1 lutea	- - Mx.	Buck-eye, yellow
::	- - 2 flava	- - Lin.	common
18 ANDROMEDA	- 1 calyculata	- - id.	Andromeda
	[angustifolia.]		
::	- - 2 racemosa	- - id.	Red-bud
::	- - 3 mariana	- - id.	Moor-wort, broad leav.
::	- - 4 coriacea	- - id.	
19 ACORUS	- - 1 calamus	- - id.	Flag, sweet, calamus
20 AQUILEGIA	- - 1 canadensis	- - id.	Columbine, canadian
21 ARCTIUM	- - 1 lappa	- - id.	Burdock, common
22 ATROPA	- - 1 belladonna	- - id.	Nightshade, deadly

<i>Genera.</i>	<i>Species.</i>	<i>Auct.</i>	<i>Vulgar Names.</i>
23 ALLIUM	- - 1 sativum, c	- id.	Garlic, common
::	- - 2 ascalonicum, c.	- id.	shallot
::	- - 3 cepa, c.	- id.	Onion, common
::	- - 4 vineale	- id.	Garlic, field, crow
24 ARUNDO	- - 1 gigantea	- Mx.	Cane, great
::	- - 2 canadensis	- id.	Reed grass
25 AGROSTEMMA	- 1 githago	- Lin.	Cockle, corn
26 AZALEA	- - 1 nudiflora	- id.	Honeysuckle, wild, red
::	- - 2 viciosa	- id.	white
27 ARISTOLOCHIA	- 1 serpentaria	- id.	Snake root, virginia
::	- - 2 siphon	- Btr.	Dutchman's pipe
28 APOCYNUM	- 1 androsæmisolium	Lin.	Dog's-bane, tustan-le'd.
::	- - 2 cannabinum	- id.	hemp
29 AMBROSIA	- - 1 elatior	- id.	Ambrosia, tall
::	- - 2 simplicifolia	- id.	simple-le'd.
::	- - 3 artemisifolia	- Wild.	mugwort
30 ARETHUSA	- - 1 bulbosa	- Lin.	Arethusa, bulbous
::	- - 2 pendula	- Mg.	drooping
31 AGRIMONIA	- 1 parviflora	- Wild.	Agrimony, small-flow'd.
::	- 2 sylvatica	- Raf.	wood
::	- - 3 eupatoria, n. b.	- Lin.	A. hairy, smooth
32 ANTHEMIS	- - 1 nobilis, c.	- id.	Chamomile, garden
::	- - 2 cotula	- id.	wild
33 ANDROPOGON	- 1 virginicum	- Lin.	Beard-grass
::	- - 2 nutans	- id.	nodding
34 AZOLLA	- - 1 americana	- Nut.	
35 ANEMONE	- - 1 virginiana	- Lin.	Anemone, wild, virgin.
::	- - 2 thalictoides	- id.	meadow
36 AVENA	- - 1 sativa, c.	- id.	Oats, common
37 ANETHUM	- - 1 fœniculum, c.	- id.	Fennel, common
38 APIUM	- - 1 petroselinum, c.	id.	Parsley, com. kitchen
::	- - 2 graveolens, c.	id.	Celery, common
	[2 variet.]		
39 ALOPECURUS	- 1 pratensis	- id.	Foxtail grass, meadow
40 ANAGALIS	- 1 arvensis	- id.	Pimpernel, field
41 ATRIPLEX	- 1 patula	- Crt.	Orach, spreading
42 ANGELICA	- 1 atropurpurea	- Lin.	Angelica, purple
::	- - 2 triquenata	- Mx.	common
43 ALETRIS	- - 1 farinosa	- Lin.	Devil's bit. white

<i>Genera.</i>	<i>Species.</i>	<i>Auct.</i>	<i>Vulgar Names.</i>
44 ARTEMISIA	- 1 vulgaris	- id.	Mugwort, s. w.
::	- 2 cana	- Psh.	grey
45 ARISTIDA	- 1 erecta	- Lin.	Aristida, erect
46 ACNIDA	- 1 cannabina	- Lin.	
47 ASTER	- 1 divaricatus	- Lin.	Starwort, divaricat
::	- 2 solidagineus	- Mx.	solidago-like
::	- 3 hissopifolius	- Lin.	hyssop-leaved
::	- 4 ericoides	- id.	heath-leaved
::	- 5 linarifolius	- id.	toad-flax leav.
::	- 6 linifolius	- id.	flax-leaved
::	- 7 concolor	- id.	one-colored
::	✓ - 8 diffusus	- Ait.	red-flowered
::	- 9 cardifolius	- Lin.	heart-leaved
::	- 10 lævis	- id.	smooth
::	- 11 macrophyllus	id.	large-leaved
::	- 12 miser	- id.	small, white
::	- 13 conyzoides	- Wild.	P. wort-like
::	- 14 imperialis, N. G. Mtr.		imperial
48 ACHILLEA	- 1 millefolium	- Lin.	Millfoil, common
49 ARUM	- 1 triphyllum	- Lin.	Turnip, Indian
::	- 2 virginicum	- id.	A. Virginian
50 ASARUM	- 1 canadense	- Wild.	Ginger, wild
51 BRASSICA	- 1 oleracea, c.	- Lin.	Cabbage
::	- 2 rapa, c.	- id.	Turnip
52 BETULA	- 1 nigra	- Mrs.	Birch, black
::	- 2 serratula	- Wild.	Hazel, elder
53 BETA	- 1 vulgaris, c.	- Lin.	Beet, common
54 BIGNONIA	- 1 catalpa	- id.	Catalpa, tree
::	- 2 radicans	- Mrs.	Trumpet, creeper
55 BERBERIS	- 1 canadensis	- Ait.	Berberberry, canadian
56 BALSAMINA	- 1 triflora	- Raf.	B. three-flowered
57 BERTOLINIA N. G. 1	scabra	- id.	Bertolinia, rough
58 BIDENS	- 1 frondosa	- Lin.	Burr Marigold
::	- 2 cernua	- id.	Do. do. nodding
::	- 3 coreopsis	- id.	Do. do. large-flowered
::	- 4 bipinnata	- id.	Do. do. bipinnate
59 BOEHMERIA	- 1 cylindrica	- Wild.	Boehmeria
60 BRACHYSTENUM 1	linifolius	- id.	Thyme, virginian
::	- 2 canesens	- Raf.	

<i>Genera.</i>	<i>Species.</i>	<i>Auct.</i>	<i>Vulgar Names.</i>
61 BRIZA.	- - 1 eragrostis	- - Lin.	Quaking grass
62 BUCNERA	- - 1 americana	- - id.	B. american
63 BARTSIA	- - 1 coccinea	- - id.	B. scarlet
64 BLITUM	- - 1 virgatum, c.	- id.	Strawberry blite, slend.
65 CELTIS	- - 1 occidentalis	- id.	Hackberry
	[variet. 2, vel. 3.]		
66 CERCIS	- - 1 canadensis	- - id.	Red-bud, Judas' tree
67 CIRCEA	- - 1 canadensis	- - id.	Nightshade, common
68 CASTANEA	- - 1 americana	- - Raf.	Chesnut, com. americ.
::	- - 2 pumila	- - Mx.	Chincapin, tree
	[hab. terr. steril. Kentuckiensis.]		
69 CARPINUS	- - 1 americana	- - Mx.	Hornbeam, american
70 CAPSICUM	- - 1 annuum, c.	- - Lin.	Red Pepper, long
71 CORYLUS	- - 1 americana	- - Mrs.	Hazel Nut
72 CLEMATIS	- - 1 virginiana	- - Lin.	Traveller's Joy, virgin.
::	- - 2 striata	- - Raf.	striate
73 CORNUS	- - 1 florida	- - Lin.	Dogwood, virginian
::	- - 2 canadensis	- - id.	canadian
::	- - 3 stricta	- - Wild.	upright
::	- - 4 sericea	- - Lin.	Red Rod, am. cornell
74 COMPTONIA	- 1 asplenifolia	- - Ait.	Comptonia, fern-leaved
75 CHELIDONIUM	- 1 majus	- - Mx.	Celandine, great
::	- - 2 diphyllum	- - id.	
76 CLAYTONIA	- 1 virginica	- - id.	Claytonia, virginian
::	- - 2 lanceolata	- - Psh.	lanceolata
77 CONVALLARIA	- 1 racemosa	- - Lin.	Solomon's Seal
::	- - 2 majalis	- - id.	Do. sweet-scented
78 CEANOETHUS	- 1 americanus	- id.	Red-root, N. Jersey tea
79 COMARUM	- 1 palustre	- - id.	Marsh Cinquefoil
80 CEPHALANTHUS	- 1 occidentalis	- id.	Buttonwood
81 CELASTRUS	- 1 scandens	- - id.	Wax-work
82 CUSCUTA	- - 1 amplexens	- - Raf.	Love-Vine, clasping
83 CAREX	- - 1 plantaginia	- - Lin.	Sedge, plantainleaved
::	- - 2 crinita	- - id.	bristly
::	- - 3 acuta	- - id.	erect, s.
84 CASSIA	- - 1 marilandica	- id.	Senna, Maryland
::	- - 2 chamæchista	- id.	dwarf

<i>Genera.</i>	<i>Species.</i>	<i>Auct.</i>	<i>Vulgar Names.</i>
85 CAMPANULA	- 1 accuminata	- Mx.	Bell-flower, pointed-lf.
::	- 2 perfoliata	- Lin.	perfoliate
::	- 3 erinoides	- id.	
86 CAPRARIA	- 1 multifida	- Mx.	Sweet-weed
87 CUNILA	- 1 maritima	- Lin.	Cunila, mint-leaved
88 CRATÆGUS	- 1 crus-galli	- id.	Cockspur
::	- 2 coccineus	- id.	scarlet
::	- 3 oxyacantha	- id.	Hawthorn
[Indian habit.]			
89 CALLICARPA	- 1 americana	- id.	Johnsonia, american
90 COCHLEARIA	- 1 amorracia, c.	- id.	Horseradish
91 CUCURBITA	- 1 pepo, c.	- id.	Pumpkin
::	- 2 verucosa, c.	- id.	Squash, knotty
::	- 3 citrullus, c.	- id.	Melon, water
92 CHEROPHYLLUM	1 sylvestre	- id.	Chervil, g.
93 CYPERUS	- 1 flavescens	- Wild.	Gallinule, yellow
::	- 2 parviflorus	- Mg.	sm.-flower
::	- 3 strigosus	- Lin.	strigosus
94 CANNABIS	- 1 sativa, c.	- id.	Hemp, common
95 CYNOGLOSSUM	1 virginianum	- id.	Hound's Tongue
96 COMMELINA	- 1 virginica	- id.	Commelina, virginian
97 COLLINSONIA	- 1 bicolor	- Raf.	Collinsonia, 2-colored
::	- 2 canadensis	- Lin.	common
98 COLLINSIA	- 1 verna	- Nut	Collinsia
99 CONVULVULUS	1 batatas, c.	- Lin.	Sweet Potatoe
::	- 2 avensis	- id.	Bindweed, field, com.
::	- 3 repens	- id.	creeping
::	- 4 capitatus	- Raf.	hd-bearing
100 CENCHRUS	- 1 tribuloides	- Lin.	Thorn grass
101 CENTAURELLA	1 paniculata	- Mg.	Centaurella
102 CHIRONIA	- 1 angularis	- Lin.	Centauray, angular-lf.
103 CONIUM	- 1 maculatum	- id.	Hemlock
104 CICUTA	- 1 maculata	- id.	water
105 CHENOPodium	1 anthelminticum	- id.	Jerusalem Oak
::	- 2 viride	- id.	Wild Orach
106 CERASTIUM	- 1 vulgatum	- id.	Chickweed, common
::	- 2 arvense	- id.	field
107 CACALIA	- 1 reniformis	- Wild.	Cacalia
::	- 2 atriplicifolia	- Lin.	glaucous

<i>Genera.</i>	<i>Species.</i>	<i>Auct.</i>	<i>Vulgar Names.</i>
108 CORYDALIS	- 1 cucularia - -	Per.	Cucularia
109 CARDAMINE	- 1 pennsylvanica -	Wild.	Lady's Smock, pennsyl.
::	- - 2 angustifolia -	Raf.	Do. narrow-leaved
::	- - 3 virginica - -	Lin.	Do. virginian
110 CALYCANTHUS	1 præcox - -	Mx.	Shrub
::	- - 2 floridus - -	Lin.	sweet-scented
111 CAPRIFOLIUM	1 gratum - -	Jus.	Coral Honeysuckle
112 CUCUMIS	- 1 melo - -	Lin.	Melon, musk
::	- - 2 sativus - -	id.	Cucumber, common
113 CALTHA	- - 1 palustris - -	id.	Cowslip, meadow
114 CINCUS	- - 1 discolor - -	Wild.	Thistle, parti-colored
::	- - 2 virginianus -	Lin.	virginian
::	- - 3 lanceolatus -	id.	common
115 COREOPSIS	- 1 aurea - -	Ait.	Sunflower, tick-seeded
::	- - 2 angustifolia -	Wild.	narrow-lf.
::	- - 3 rosea - -	Nut.	
116 CONYZA	- - 1 canescens -	Lin.	Plowman's Wort
::	- - 2 asteroides - -	Wild.	Do. star-like
[vide <i>a.</i> conyzoides]			
117 CHYSANTHEMUM	1 leucanthum -	Lin.	Marigold, com. corn
118 DODECATHEON	1 integrifolium -	id.	Cowslip, american
119 DRACONTIUM	1 foetidum - -	id.	Skunk Cabbage
120 DIOSPYROS	- 1 virginiana - -	Mrs.	Persimon, common
121 DENTARIA	- 1 laciniata - -	Mg.	Tooth-wort, irregular
122 DISCOREA	- 1 villosa - -	Lin.	Indian potatoe, villos
123 DATURA	- - 1 stramonium -	id.	Jamestown Weed
124 DAUCUS	- - 1 carota - -	id.	Carrot, wild
125 DIRCA	- - 1 palustris - -	id.	Leather-wood
126 DIPSACUS	- 1 sylvestris - -	id.	Teazle
127 DRACOCEPHA.	1 virginianum -	Wild.	Dragon's head, virg.
128 DILEPTIUM	- 1 virginicum - -	Raf.	Pepper Grass, virg.
129 DELPHINIUM	1 azureum - -	Lin.	Larkspur, blue
130 EPIGEA	- - 1 repens - -	id.	Ground Laurel
131 EUONYMUS	- 1 carolinensis -	Mrs.	Arrow Wood, indian
"	- - 2 sempervirens -	id.	Spindle Tree, evergreen
132 ERIGERON	- 1 canadense - -	Lin.	Fleabane, canadian
"	- - 2 philadelphicum	id.	philadelph.
133 EUPATORIUM	1 cœlestinum -	id.	Hempweed
"	- - 2 ageratoides -	id.	nettle-lf.

<i>Genera.</i>	<i>Species.</i>	<i>Auct.</i>	<i>Vulgar Names.</i>
"	- - 3 <i>purpureum</i> -	- id.	purple
"	- - 4 <i>maculatum</i> -	- id.	spotted
"	- - 5 <i>perfoliatum</i> -	- id.	Indian Sage
"	- - 6 <i>scandens</i> -	- id.	climbing
134 ERIOPHORUM	1 <i>vulgare</i> -	- Per.	Cotton Grass
135 ELEPHANTOPUS	1 <i>scaber</i> -	- Lin.	Elephant's Foot
136 ELEUSINE	- 1 <i>indica</i> -	- Mx.	Dog's Tail Grass
137 EUPHORBIA	- 1 <i>maculata</i> -	- Lin.	Spurge, spotted
"	- - 2 <i>hypericifolia</i> -	- id.	hypericum-lf.
"	- - 3 <i>thymifolia</i> -	- id.	thyme-leaved
"	- - 4 <i>ipecacuanha</i> -	- id.	Ipecacuanha, wild
138 ELYMUS	- 1 <i>histris</i> -	- id.	Elymas
"	- - 2 <i>ciliate</i> -	- id.	fringed
139 ERYSIMUM	- 1 <i>officinale</i> -	- id.	Mustard, hedge
140 FAGUS	- 1 <i>ferruginea</i> -	- id.	Beech, rusty-leaved
141 FRAXINUS	- 1 <i>americana</i> -	- Mx.	Ash, white
"	- - 2 <i>quadrangularis</i> -	- Lin.	blue
"	- - 3 <i>sambuci</i> -	- id.	swamp
142 FRAGARIA	- 1 <i>vesca, c.</i> -	- id.	Strawberry, garden
"	- - 2 <i>virginica</i> -	- id.	wild
143 FERULA	- 1 <i>villosa</i> -	- id.	Fennel, giant
144 FRASERA	- 1 <i>verticillata</i> -	- Brt.	Colombo
145 GALIUM	- 1 <i>aparinoides</i> -	- Raf.	Goose Grass, s.
"	- - 2 <i>circæzans</i> -	- Mx.	cross-branched
"	- - 3 <i>tinctorium</i> -	- Lin.	dyers'
"	- - 4 <i>triflorum</i> -	- Mx.	three-flowered
146 GERARDIA	- 1 <i>auriculata</i> -	- Lin.	Fox-glove, wild
"	- - 2 <i>purpurea</i> -	- id.	purple
147 GRATIOLA	- 1 <i>virginica</i> -	- id.	Hyssop, hedge
"	- - 2 <i>varians</i> -	- Raf.	varying
148 GLYCINE	- 1 <i>monica</i> -	- Lin.	Pea Vine, wild
[variet. 2.]			
149 GLECHOMA	- 1 <i>hederacea</i> -	- id.	Ground Ivy
150 GONOLOBUS	- 1 <i>discolor</i> -	- Raf.	Gonolobus, parti-col'd
"	- - 2 <i>hirsutus</i> -	- Mx.	prickly
151 GEUM	- - 1 <i>virginicum</i> -	- Lin.	Bennet, virginian
152 GLEDITSIA	- 1 <i>triacanthos</i> -	- id.	Locust, prickly
153 GENTIANA	- 1 <i>alba</i> -	- Mg.	Gentian white
154 GERANIUM	- 1 <i>maculatum</i> -	- Lin.	Crow's Foot, spotted

<i>Genera.</i>	<i>Species.</i>	<i>Auct.</i>	<i>Vulgar Names.</i>
"	- - 2 carolinianum	- id.	carolina
155 GALEGA	- - 1 virginiana	- id.	Goat's Rue, virginian
156 GNAPHALIUM	1 uliginosum	- id.	Cudweed, slimy
"	- - 2 plantaginifolium	id.	plantain-lf.
157 HUDSONIA	- 1 ericoides	- id.	Hudsonia,
158 HYDRANGIA	- 1 arborescens	- id.	Hydrangia. Arborescent
"	- - 2 frutescens	- id.	Snow Ball, mock
159 HELIANTHUS	1 divaricatus	- id.	Sunflower, rough-lf.
"	- - 2 tomentosus	- Mx.	soft-leaved
160 HELIOTROPIMUM	1 indicum	- Lin.	Heliotrope, indian
161 HEDEOMA	- 1 pulegioides	- Per.	Penayroyal
162 HIERACIUM	- 1 venosum	- Lin.	Hawkweed, veiny-lf.
"	- - 2 scabrum	- Mx.	rough
"	- - 3 paniculatum	- Lin.	panicked
163 HEUCHERA	- 1 americana	- id.	Alum Root
164 HAMAMELIS	- 1 virginiana	- id.	Hazle-witch
165 HYOSCERIS	- 1 prenanthoides	- Mg.	Swine's Succory
"	- - 2 virginica	- Mx.	virg.
166 HOUSTONIA	- 1 cærulea	- Lin.	Houstonia, blue
"	- - 2 varians	- Raf.	varying
167 HYPOXIS	- - 1 erecta	- Lin.	Bastard Star-flow. up't.
168 HYDRASTIS	- 1 canadensis	- id.	Hydrastis, canadian
169 HYPERICUM	- 1 prolificum	- id.	St. John's Wort, prolif.
"	- - 2 perforatum	- id.	common
"	- - 3 virginicum	- id.	virginian
"	- - 4 corymbosum	- Wild.	cluster-flow'd.
[var. 2. a. flor. flavis. vis. b. fl. cæruleis.]			
170 HORDEUM	- 1 distichon, c.	- id.	Barley, common
171 HUMULUS	- 1 lupulus, c.	- id.	Hop, common
172 HIBISCUS	- 1 palustris	- Lin.	Hibiscus, meadow
"	- - 2 esculentus, c.	- id.	Okra, garden
173 HELLEBORUS	1 trifolius	- id.	Golden Thread
[Coptis.]			
174 HEDYSARUM	- 1 marilandicum	- id.	Hedysarum, m.
"	- - 2 glutinosum	- Mg.	clammy
"	- - 3 nudiflorum	- Lin.	naked-fl'g.
"	- - 4 leucanthum	- Raf.	white-fl'r.
175 HYDROPHYLLUM	1 virginicum	- Lin.	Water Leaf

<i>Genera.</i>	<i>Species.</i>	<i>Auct.</i>	<i>Vulgar Names.</i>
176 HYDROCOTYLE	1 composita - -	Psh.	Pennywort
177 HERACLEUM	1 laotum - -	Mx.	Parsnip, cow
178 IMPATIENS	1 biflora - -	Lin.	Touch-me-not
"	- 2 sulphurea - -	Raf.	
"	- 3 maculata - -	Mg.	spotted
179 ISANTHUS	1 ceruleus - -	Mx.	
180 ILEX	- 1 opaca - -	id.	Holly, american
181 ISNARDIA	- 1 palustris - -	Lin.	Ditch Weed
182 IRIS	- 1 virginica - -	id.	Flag, common
"	- 2 tuberosa - -	id.	snake's head
183 ITEA	- 1 virginica - -	id.	Itea, virginian
184 JUGLANS	- 1 nigra - -	id.	Walnut, black
"	- 2 cinerea - -	id.	Butternut
"	- 3 laciniosa - -	Mx.	Shell Bark
"	- 4 squamosa - -	id.	Shag Bark
"	- 5 porcina - -	id.	Pignut
"	- 6 pacan - -	id.	Paccan
185 JUNIPERAS	1 virginiana - -	id.	Cedar, red
"	- 2 depressus - -	Raf.	low, dwarf
186 JUNCUS	- 1 effusus - -	Lin.	Bullrush, soft, r.
187 KALMIA	- 1 angustifolia - -	id.	Laurel narrow-leaved
"	- 2 latifolia - -	id.	broad
188 KYLLINGIA	- 1 pumila - -	id.	Killingia, low
189 LINUM	- 1 usitatissimum, c. -	id.	Flax, common
"	- 2 virginianum - -	id.	Virginian
190 LOLIUM	- 1 perenne - -	id.	Darnel
191 LYTHRUM	- 1 virgatum - -	id.	Willow-herb
"	- 2 verticillata - -	id.	whorled
192 LINDERNIA	- 1 attenuata - -	Mg.	Lindernia
193 LARIX	- 1 pendula - -	Ait.	Larch Tree
194 LIQUIDAMBAR	1 styraciflua - -	Lin.	Gum, sweet
195 LAMium	- 1 hispidulum - -	Mx.	Archangel, Hispid
196 LYSIMACHIA	1 ciliata - -	id.	Loosestrife
"	- 2 quadrifolia - -	id.	four-leaved
197 LYCOPUS	- 1 virginicus - -	Lin.	Hourhound, virginian
"	- 2 angustifolia - -	Raf.	narrow-lf.
198 LUDWIGIA	- 1 macrocarpa - -	Mx.	Ludwigia, large, c.
"	- 2 decurrens - -	id.	decurent
199 LEMNA	- 1 minor - -	Lin.	Ducks' Meat, small

Genera.	Species.	Auct.	Vulgar Names.
200 LOBELIA	- 1 cardinalis	- Mx.	L. Cardinal Flower
"	- 2 syphylitica	- Lin.	Lobelia, blue
"	- 3 inflata	- id.	Tobacco, wild
"	- 4 pallida	- Mg.	Lobelia, pale
"	- 5 claytoniana	- Mx.	Claytonian
201 LEPIDIUM	- 1 virginicum	- Lin.	Pepper Grass, virginian
202 LUPINUS	- 1 perennis	- id.	Lupine, perennial
203 LILIUM	- 1 canadensis	- id.	Lily, canadian
"	- 2 philadelphicum	- id.	Philadelphian
"	- 3 superbum	- id.	great-flowering
204 LIGUSTRUM	- 1 vulgare	- id.	Privet, common
205 LONICERA	- 1 virginiana	- Mrs.	Honeysuckle, virg.
206 LITHOSPERMUM	- 1 virginianum	- Lin.	Gromwell
207 LAVENDULA	- 1 spica, c.	- id.	Lavender, common
208 LEONTICE	- 1 thalictroides	- id.	Lion's Leaf
209 LADRUS	- 1 sassafras	- id.	Sassafras
"	- 2 benzoin	- id.	Spice-wood
210 LEECHIE	- 1 major	- Mx.	Leechia, great
211 LEERSIA	- 1 virginica	- Mg.	Sickle Grass
212 LIRIODENDRON	- 1 tulipifera	- Lin.	Poplar
[variet. 2. a. flav. b. alb.]			
213 LACTUCCA	- 1 longifolia	- Mx.	Fire-weed
214 LEONTODON	- 1 taraxacum	- Lin.	Dandelion
215 LEONURUS	- 1 cardiaca	- id.	Mother Wort
216 LEPTANTHUS	- 1 gramineus	- Mx.	Leptanthus, grass-lf.
217 MOMORDICA	- 1 echinata	- Lin.	
218 MARTYNIA	- 1 proboscidea	- Lin.	Cuckold's Horns
219 MENTHA	- 1 canadensis	- id.	Mint, canadian
"	- 2 borealis	- Mx.	horse
220 MIMULUS	- 1 alatus	- Ait.	Monkey Flower, w'g'd.
"	- 2 ringens	- Lin.	Do. ringent
221 MIEGIA	- 1 arundinaria	- Per.	Miegia, reed
222 MALVA	- 1 parviflora	- Lin.	Mallow, sm.-flowering
223 MONOTROPA	- 1 uniflora	- id.	Rape Broom
"	- 2 lanuginosa	- Mx.	wooly
224 MEDEOLA	- 1 virginica	- Lin.	Cucumber, indian
225 MITCHELLA	- 1 repens	- id.	Mitchella, creeping
226 MORUS	- 1 rubra	- id.	Mulberry, red

<i>Genera.</i>	<i>Species.</i>	<i>Auct.</i>	<i>Vulgar Names.</i>
227 MELISSA	- 1 officianalis, c.	- id.	Balm, common-
"	- 2 nepeta	- id.	Catmint, wild
228 MESPILUS	- 1 arbutifolia	- id.	Medlar, red
"	- 2 arborea	- - Mx.	Pear Tree, wild
229 MOLLUGO	- 1 verticillata	- Lin.	Chickweed, indian
230 MUHLENBERGIA	1 diffusa	- - Per.	Muhlenbergia, s.
231 MELANTHIUM	1 virginicum	- Lin.	Melanthium, virginian
232 MAGNOLIA	- 1 grandiflora	- id.	Magnolia, gt.-flowering
"	- 2 glauca	- - Psh.	Do. sweet swamp
"	- 3 acuminata	- Mrs.	Cucumber Tree
233 MARRUBIUM	- 1 vulgare	- - Lin.	Hoarhound, common
234 MYOSOTIS	- 1 scorpiodes	- id.	Scorpion grass, marsh
"	- 2 virginica	- - id.	Virginian
235 MENIANTHES	1 trifoliata	- - id.	Trefoil, marsh
236 MITELLA	- 1 diphylla	- - id.	Sanicle, bastd. am. 2 lf.
237 MELAMPYRUM	1 americanum	- Mx.	Cow wheat, american
238 NYSSA	- 1 aquatica	- - Lin.	Gum tree, large, sour
"	- 2 sylvatica	- - Mx.	black
239 NEPETA	- 1 cataria	- - - Lin.	Catnip
340 NIGELLA	- 1 damascena	- id.	Fennel flower
241 NICOTIANUM	1 tobacum, c.	- id.	Tobacco, common
242 NYMPHŒA	- 1 lutea	- - - id.	Water lily, yellow flor.
"	- 2 odorata	- - Ait.	odorous, virg.
"	- 3 advena	- - Lin.	Splatterdock, common
"	- 4 nelumbo	- - id.	Nelumbium
243 OXALIS	- 1 stricta	- - - id.	Wood sorrel, upright
"	- 2 violacea	- - id.	violet
244 ORCHIS	- 1 spectabilis	- id.	Orchis, shewy
"	- 2 ciliaris	- - Mx.	Do. fringed, wht. and yel.
"	- 3 spiralis	- - Lin.	Do. spiral
245 OROBANCHE	1 virginiana	- - id.	Beech Drops
246 ORONTIUM	- 1 aquaticum	- - id.	Orontium, water
247 OENOTHERA	- 1 biennis	- - id.	Tree Primrose
"	- 2 viscosa	- - Raf.	Night Willow Herb,
"	- 3 sinuata	- - Lin.	scollop-leaved
248 ORIGANUM	- 1 vulgare	- - id.	Majoram, wild
"	- 2 majorana, c.	- id.	garden
249 OCYMU	- 1 basilicum, c.	- id.	Basil, common, garden
250 OBOLARIA	- 1 caroliniana	- Wlt.	Obolaria, carolinian

<i>Genera.</i>	<i>Species.</i>	<i>Auct.</i>	<i>Vulgar Names.</i>
251	PHRYMA - - 1 leptostachya	Lin.	Phryma, slender spiked
252	PHYSALIS - 1 pennsylvanica	id.	Alkekengi, pennylvan.
253	PARTHENIUM 1 integrifolium	id.	Feverfew, entire-leaved
254	PASSIFLORA 1 lutea - - - id.	id.	Passion Flower, yellow
255	PARIETARIA 1 pennsylvanica	id.	Pellitory
256	PULMONARIA 1 virginica - - id.	id.	Lung-wort
257	POPULUS - - 1 deltoide - - Mrs.		Cotton Tree
	" - - 2 tremula - - id.		Aspen Tree
	" - - 3 dilatata - - Lin.		Poplar, Lombardy
	" - - 4 candicans - - Ait.		Do. Athenian
258	POTAMOGETON 1 lucens - - - Lin.		Pond-weed
	" - - 2 perfoliatum - id.		Do. perfoliate
	" - - 3 gramineum - id.		Do. grass-leaved
	" - - 4 natans - - id.		Do. floating, broad-lf.
259	PEDICULARIS - 1 canadensis - id.		Louse-wort
	" - - 2 lanceolata - - Mx.		lanceolate
260	PHLOX - - 1 maculata - - id.		Phlox, or B. lychnis, sp.
	" - - 2 pilosa - - id.		Do. hairy
	" - - 3 lævigata - - id.		Do. smooth
	" - - 4 uniflora - - Raf.		Do. one-flowered
261	POLEMONIUM 1 reptans - - Lin.		Valerian, greek, creep.
262	POLYGONUM - 1 arifolium - - id.		Knot-grass
	" - - 2 erectum - - id.		upright
	" - - 3 barbatum - - Wild.		bearded
	" - - 4 convolvulus - Lin.		Buckwheat, climbing
	" - - 5 fagopyrum c. - id.		Buckwheat, common
	" - - 6 hydropiperoides id.		Water Pepper
	" - - 7 sagittatum - - id.		Do. arrow-leaved
	" - - 8 scandens - - id.		Buckwheat, clim'g, am.
263	PTELEA - - 1 trifoliata - - Mrs.		Shrub Trefoil
264	PYRUS - - 1 communis - - Lin.		Pear Tree
	" - - 2 malus - - id.		Apple Tree
	" - - 3 cydonia - - id.		Quince Tree
	" - - 4 coronaria - - id.		Crab-apple Tree
265	RYCNANTHEMUM 1 aristatum - - Mx.		Mountain Mint
	" - - 2 pilosum - - Nut		hairy
266	PASTINACEA - 1 sativa, c. - - Lin.		Parsnip, common
267	PRENANTHES 1 crispidinea - - id.		Lettuce, wild
	" - - 2 glauca - - - Raf.		glaucous-lf.

<i>Genera.</i>	<i>Species.</i>	<i>Auct.</i>	<i>Vulgar Names.</i>
268 PLANTAGO	- 1 virginica - - Lin.		Plantain, virginian
"	- 2 lanceolata - - id.		lanceolata
"	- 3 compressa - - Raf.		flattened
"	- 4 accedens - - id.		
269 PENTHORUM	1 sedoides - - Lin.		Penthorum, american
270 PHILADELPHUS	1 coronaria - - id.		Orange, mock, fragrant
"	- 2 inodorus - - Wlt.		Do. scentless, common
271 PYROLA	- 1 maculata - - Lin.		Winter Green, spotted
"	- 2 umbellata - id.		Pippisseva
"	- 3 rotundifolia - id.		round-leaved
272 PENSTEMON	- 1 pubescens - - Ait.		Penstemon, pubescent
"	- 2 levigatum - - Lin.		smooth
273 PINUS	- 1 abies, am. - - Mrs.		Hemlock
274 PRUNUS	- 1 virginiana - - Lin.		Cherry, wild
	[var. 2. vel. 3.]		
275 PLATANUS	- 1 occidentalis - id.		Sycamore
276 PANAX	- 1 quinquefolium id.		Ginseng
277 PANICUM	- 1 capillare - - id.		Panic Grass, capillary
"	- 2 verticillatum - id.		whorled
"	- 3 glaucum - - id.		glaucous
"	- 4 crus corvi - - id.		crow's foot
"	- 5 latifolium - - id.		broad-lf.
"	- 6 hirtellum - - id.		Scotch
278 PHALARIS	- 1 arundinacea - id.		Red Grass, canary
279 PHASEOLUS	- 1 vulgaris, c. - id.		Bean, kidney, common
"	- 2 lunatus, c. - - id.		lima
280 PISUM	- 1 sativum, c. - - id.		Pea, common, garden
281 PHELUM	- 1 pratense, c. - id.		Timothy, herd-grass
282 POA	- 1 reptans - - - Mr.		Meadow Grass
"	- 2 multicaulis - Raf.		Do. many-stemmed
"	- 3 flava - - - Lin.		Do. broad-leaved
283 PTERIS	- 1 atropurpurea - id.		Brake
"	- 2 pedata - - - id.		
284 PHILOSTEMON	1 radicans - - Raf.		Philostemon, innoxious
285 PODOPHYLLUM	1 peltatum - - Lin.		May-apple
286 PHYTOLACCA	1 decandria - id.		Poke-berry, common
287 PRINOS	- 1 verticillatus - id.		Alder, black
288 PORTULACCA	1 oleracea - - id.		Purslane, common
289 POLYGALA	- 1 sanguinea - - Lin.		Milk-wort, red-colored

Genera.	Species.	Auct.	Vulgar Names.
"	- - 2 lutea	- - - id.	yellow
"	- - 3 senega	- - id.	Snake Root, seneka
290 PRUNELLA	- 1 pensylvanica	- Wild.	Self-heal, pennsylvani.
291 PASPALUM	- 1 læva	- - - Mx.	Paspalum, smooth
292 PORTULACA	- 1 cordata	- - Lin.	Pickereel-weed, heart-lf.
293 POTERION	- 1 sanguisorba	- id.	Burnet, common
294 POTAMISIA	- 1 graveoleus	- Raf.	Potamisia, stinking
295 PAPAVER	- 1 somniferum	- Lin.	Poppy, garden
296 QUEREUS	- 1 macrocarpa	- Mx.	Oakburr
"	- - 2 alba	- - - id.	white
	[variet. 3. vel. 4.]		
"	- - 3 prinosa acuminatoid.		chesnut
"	- - 4 P. monticola	- id.	rock chesnut
"	- - 5 cineria	- - - id.	upland willow
"	- - 6 tinctoria	- - Bart.	quercitron
"	- - 7 falcata	- - - Mx.	Spanish
"	- - 8 coccinea	- - id.	red
297 RUDBECKIA	- 1 laciniata	- - Lin.	Rudbeckia, jagged
"	- - 2 hirta	- - - id.	rough
"	- - 3 purpurea	- - id.	purple
"	- - 4 amplexifolia	- Wild.	leaf-clasp't
	[planta rarissima]		
298 RIBES	- - 1 oxycanthoides, c.	Mrs.	Gooseberry
"	- - 2 nigrum, c.	- - Lin.	Currant, black
"	- - 3 rubrum, c.	- - id.	red
300 RICINUS	- - 1 cumunis, c.	- id.	Palmi Christi
301 RAPHANUS	- 1 sativus, c.	- - id.	Radish, common
302 RANUNCULUS	- 1 abortivus	- - id.	Crow's Foot
"	- - 2 bulbosa	- - id.	Buttercups
"	- - 3 flamuloides	- Raf.	Spearwort
"	- - 4 repens	- - - Lin.	creeping, R.
"	- - 5 aquatilis	- - id.	water, R.
303 RUMEX	- - 1 acetocella	- - id.	Sorrel, sheep
"	- - 2 acutus	- - id.	Dock, sharp, R.
304 RHODODENDRON	- 1 maximum	- - id.	Rhododendron, great
305 RHUS	- - 1 glabrum	- - id.	Sumac, red
"	- - 2 typhinum	- - id.	stag's horn
"	- - 3 radicans	- - id.	poison vine
"	- - 4 capallinum	- id.	dwarf

Genera.	Species.	Auct.	Vulgar Names.
"	- - 5 suavolens	- id.	three-leaved
306 ROSA	- - 1 caroliniana	- Lin.	Rose, carolina
"	- - 2 parviflora	- id.	small-flowering
"	- - 3 lucida	- id.	bright
"	- - 4 palustris	- id.	swamp
"	- - 5 rubifolia	- id.	
307 RUBUS	- - 1 occidentalis	- id.	Raspberry, wild, black
"	- - 2 strigosus	- Mx.	red
"	- - 3 idæus, c.	- Lin.	garden
"	- - 4 trivialis	- Mx.	Dewberry
"	- - 5 villosus	- Ait.	Blackberry, tall
308 ROBINIA	- - 1 pseud-acacia	- Lin.	Locust, flowering
309 ROSMARINUS	1 officinalis	- id.	Rosemary, garden
310 RHEXIA	- - 1 virginica	- id.	Rhexia, virginian
	[variet 2. vel. 3.]		
311 STAPHYLEA	- 1 trifoliata	- Mrs.	Bladder Nut
312 SPARTIUM	- 1 scoparium, c.	- Lin.	Broom, spanish
313 STACHYS	- 1 sylvatica	- Nut.	Woundwort
314 SPIRÆA	- - 1 trifoliata	- Lin.	Indian Physick
"	- - 2 opulifolia	- id.	Nine-bark
"	- - 3 tormentosa	- id.	Silky Spirea
315 SAXIFRAGA	- 1 virginica	- Per.	Saxifrage, virginian
316 STELLARIA	- 1 longifolia	- Mg.	Stitch-wort, long-leav.
"	- - 2 pubera	- Mx.	oval-leav.
"	- - 3 tenella	- Raf.	slender
317 SMILAX	- - 1 herbacea	- Wlt.	Green-briar, herbaceous
"	- - 2 caduca	- Wild.	deciduous
"	- - 3 hastata	- id.	arrow-lf.
318 SALVIA	- - 1 lyrata	- Lin.	Sage, lyre-leaved
"	- - 2 officinalis, c.	- id.	garden, common
319 SAMBUCUS	- 1 canadensis	- Mrs.	Elderberry, red
"	- - 2 nigra	- id.	black
320 SCUTELLARIA	1 parviflora	- Raf.	Scull-cap, small flow'd.
"	- 2 lateriflora	- Lin.	Virginian
"	- - 3 ovalifolia	- Mg.	oval-leaved
321 SISYRINCHIUM	1 bermudiana	- Mx.	Sisyrinchium, bermudia
322 SONCHUS	- - 1 oleracens	- Lin.	Thistle, hog, common
"	- - 2 floridanus	- id.	blue
"	- - 3 leucophæus	- Wild.	whitish

Genera.	Species.	Auct.	Vulgar Names.
323	SYNANDRA - 1 grandiflora -	Nut.	
324	SAURURUS - 1 cernuus -	Lin.	Lizard's Tail, nodding
325	SEDUM - 1 ternatum -	id.	Stone-cross
326	SINAPIS - 1 nigra -	Lin.	Mustard, black
	" - 2 repens -	Mtr.	
	[plant-fetid.]		
327	SIDA - 1 arbutilon -	Wild.	Mallow, indias
	" - 2 spinosa -	Lin.	thorney
328	SECALE - 1 vernum, c. -	id.	Rye, spring
	[hybernunumque.]		
329	STIPA - 1 virginiana -	Per.	Feather Grass
330	SOLANUM - 1 carolinense -	Lin.	Nightshade
	" - 2 nigrum -	id.	black
	" - 3 lycopersicon. c. -	id.	Love Apple, tomatoe
	" - 4 dulcamara -	id.	Bitter-sweet
	" - 5 tuberosum, c. -	id.	Potatoes, common
	" - 6 melongena, c. -	id.	Egg Plant
331	SYRINGA - 1 vulgaris -	id.	Lilac, common
332	SENNICIO - 1 vulgaris -	id.	Groundsel, common
	" - 2 aureus -	id.	golden
333	SALIX - 1 nigra -	Mrs.	Willow, black, rough
	" - 2 sericea -	id.	ozier
334	SISON - 1 trifoliatum -	Lin.	Honeywort, three-leaf
335	SILENE - 1 catesbei -	id.	Snap Dragon
336	STYLOSANTHES 1 hispida -	Mr.	Stylosanthes, hispid
337	SOLIDAGO - 1 canadensis -	Lin.	Golden Rod of Canada
	" - 2 procera -	id.	tall
	" - 3 bicolor -	id.	2-colored
	" - 4 nemoralis -	id.	woodland
	" - 5 odora -	Ait.	scented
	" - 6 latifolia -	Mg.	broad-lf.
	" - 7 petiolaris -	Ait.	late-flow'g
	" - 8 ulmifolia -	Wild.	elm-leaved
	" - 9 quercifolia -	Mtr.	oak-leaved
	[var. s. canadensis.]		
	" - 10 flexicaulis -	Ait.	Do. crooked-stemmed
338	SAROTHEA - 1 quinquinervia -	Raf.	Gentian, bastard
339	SAMOLUS - 1 parviflorus -	id.	Water Pimpernel

Genera.	Species.	Auct.	Vulgar Names.
340 SAGITTARIA -	1 sagittifolia	- Mx.	Arrow-head
	[var. 2. <i>a foliis obtusis</i> , 6 fol. <i>Hastatis. hab. palud Indianæ.</i>]		
341 SPARGANIUM -	1 ramosum	- - Sth.	Burr Reed
342 SILPHIUM -	1 trifoliatum	- - Lin.	Chrysanthemum, bas.
" -	2 terebinthaceum	id.	
343 SISYMBRIUM -	1 amphibium	- id.	Radish, water
344 SCROPHULARIA	1 marilandicum	id.	Figwort, maryland
345 SANGUINARIA	1 canadensis	- - id.	Puccoon
346 SPERGULA -	1 arvensis	- - id.	Spergula, corn, field
347 SCANDIX -	1 procumbens	- id.	Cicely, herb
348 SIUM -	1 latifolium	- - id.	Parsnip, water
349 SCIRPUS -	1 palustris	- - id.	Club-rush
" -	2 capillaris	- - id.	small, capill
" -	3 maculatus	- - id.	spotted
" -	4 echinatus	- - Mg.	spiked
350 SCHOENUS -	1 glomeratus	- - Lin.	Bog-rush, round-head'd
351 SPIGELIA -	1 marilandica	- id.	Pink-root, carolina
352 SAPONDRIA -	1 officinalis	- - id.	Brusewort, officinal
" -	2 villosa	- - Raf.	villous
353 SPINACIA -	1 oleracea	- - Lin.	Spinage, common
354 THYMUS -	1 vulgaris	- - id.	Thyme, common
355 THAPSIA -	1 trifoliata	- - id.	Fennel, scorching
356 TRITICUM -	1 æstivum	- - id.	Wheat, summer
	[<i>hybernumque.</i>]		
357 TEUCRIUM -	1 virginicum	- - id.	Germander, virginian
" -	2 canadense	- - id.	canadian
358 THLASPI -	1 alliaceum	- - id.	Shepherd's Purse
359 TECOMA -	1 radicans	- - Jus.	Flea-wort
360 THUYA -	1 occidentalis	- Lin.	Cedar, white
361 TAXUS -	1 canadensis	- Mrs.	Yew Tree, canadian
362 TRILLIUM -	1 cernuum	- - Lin.	Nightshade, three-lf.
363 TRIPSACUM -	1 dactyloides	- id.	Tripsacum
364 THALICTUM -	1 rugosum	- - Wild.	Meadow Rue, rough
" -	2 dioicum	- - Lin.	Do. dioicious
365 TILIA -	1 americana	- - Mx.	Linden Tree
366 THESIUM -	1 umbellatum	- Lin.	Toad-flax,

<i>Genera.</i>	<i>Species.</i>	<i>Auct.</i>	<i>Vulgar Names.</i>
367	TRADESCANTIA 1 virginicum -	id.	Spiderwort
368	TANACETUM - 1 vulgare -	id.	Tansey, common
369	TEPHROSIA - 1 virginiana -	Per.	Tephrosia, virginian
370	TRYCHOSTEMA 1 dichotoma -	Lin.	Trichostema, annual
371	TRIFOLIUM - 1 repens -	id.	Clover, white
"	- - 2 pratense, c. -	id.	red
"	- - 3 arvense -	id.	hare's foot
372	TOVARA - - 1 latifolia -	Adam.	Cat's tail, broad leaved
373	TYPHA - - 1 latifolia -	Lin.	Tovara, large-leaved
374	URTICA - 1 dioicia -	id.	Nettle, common
"	- - 2 pumila -	id.	Richweed
"	- - 3 canescens -	Mtr.	
[<i>similans. U. dioic.</i>]			
375	UVULARIA - 1 perfoliata -	Lin.	Bellwort
376	ULMUS - - 1 americana -	id.	Elm Tree, am. white
"	- - 2 aspera -	id.	red, rough
377	UTRICULARIA 1 vulgaris -	Per.	Millfoil, water, common,
378	VERATRUM - 1 luteum -	id.	Hellebore, yellow-flor.
"	- - 2 viride -	Ait.	Indian Poke
"	- - 3 angustifolium -	Per.	narrow-lf.
379	VIBURNUM - 1 acerifolium -	Lin.	Viburnum, maple-lf.
"	- - 2 prunifolium -	id.	Haw, black
"	- - 3 dentatum -	id.	Arrow-wood
"	- - 4 lentago -	id.	pear-leaved
380	VERONICA - 1 officinalis -	id.	Speedwell, officinal
"	- - 2 virginica -	id.	Virginia
"	- - 3 scutellaria -	id.	scull-cap
"	- - 4 agrestis -	id.	Forget-me-not
"	- - 5 uliginosa -	Raf.	slimy
381	VITIS - - 1 pederacea -	Wild.	Creeper, common
"	- - 2 vulpina -	Lin.	Grape, fox
"	- - 3 labrusca -	id.	common, wild
"	- - 4 æstivalus -	Mx.	chicken
[<i>Pro vinario. spec.</i>			
2. vel. 3. vit. vi-			
tif. coluntur hic.]			
382	VACCINIUM - 1 stamineum -	Lin.	Whortleberry
"	- - 2 resinsum -	Ait.	Huckleberry, black
"	- - 3 macrocarpa -	id.	Cranberry, american

Genera.	Species.	Auct.	Vulgar Names.
383 VIOLA	- - 1 sagittata	- - id.	Violet, arrow-leaved
"	- - 2 pubescens	- - id.	pubescent
"	- - 3 debilis	- - Mg.	delicate
"	- - 4 canadensis	- - Lin.	Canadian
"	- - 5 pedata	- - id.	multifid
"	- - 6 lanceolata	- - id.	lanceolate
"	- - 7 primulæfolia	- id.	primrose-leaved
384 VERBASCUM	- 1 thapsus	- - id.	Mullein, white
"	- - 2 lychnitis	- - id.	
385 VISCUM	- - 1 album	- - Mg.	Mistletoe
386 VERBESINA	- 1 virginica	- - id.	Verbisina, virginian
387 VICIA	- - 1 americana	- - Wild.	Vetch, american
388 VERBENA	- 1 paniculata	- - Lin.	Vervain, panicled
"	- - 2 urticifolia	- - id.	nettle-leaved
"	- - 3 stricta	- - id.	erect
"	- - 4 caroliniana	- id.	carolinia
389 XANTHIUM	- 1 strumarium	- - Lin.	Cockle Burr
390 XANTHOXYLON	- 1 fraxinifolium	- Mrs.	Ash, prickly
391 ZANTHORIZA	- 1 apiifolia	- - Lin.	Yellow Root
392 ZEA	- - 1 mays, c.	- - Wild.	Indian Corn
	[variet. 2. vel. 3.]		
393 ZAPANIA	- - 1 nodiflora	- -	

CRYPTOGAMIA.

FILICES.

FERNS.

394 ADIANTHUM	- 1 pedatum	- - Lin.	Maiden Hair
395 ASPLENIUM	- 1 ryzophyllum	- id.	Spleenwort, root-lf.
"	- - 2 ebeneum	- - Ait.	Do. ivory-stalked
"	- - 3 pinnatifidum	- Nut.	
"	- - 4 scolopendrium	- Crt.	Do. hart's tongue
396 EQUISETUM	- 1 sylvaticum	- - Lin.	Horse tail
"	- - 2 hyemale	- - id.	Shave-grass
397 LICOPODIUM	[spec. 5. vol. 6.] id.		Club-moss
398 OSMUNDA	- 1 spectabilis	- - Wild.	Osmunda, shewy
"	- - 2 interrupta	- - Mx.	interrupted
"	- - 3 virginica	- - Lin.	virginian

<i>Genera.</i>	<i>Species.</i>	<i>Auct.</i>	<i>Vulgar Names.</i>
399 ONOCLEA -	1 sensibilis	- - id.	Onoclea, sensitive fern

MUSCI.

MOSSES.

400 BRIUM	- -	Lin.	Thread Moss
401 FONTANALIS	- id.		Water moss
402 HYPNUM	- .. id.		Feather Moss
403 MNIMUM	- - id.		Marsh Moss
404 PHASCUM	- - id.		Earth Moss
405 SPHAGNUM	- - id.		Bog Moss

FUNGI.

MUSHROOMS.

406 AGARICUS	-	-	1 integer	-	-	Lin.
"	-	-	2 campestris	-	-	id.
"	-	-	3 miptica	-	-	Raf.
407 BOLETUS	-	-	1 cinnabarinus	-	-	Lin.
"	-	-	2 xanthopora	-	-	id.
"	-	-	3 hematapora	-	-	Raf.
408 PEZZIA	-	-	-	-	-	Cup Mushroom
409 LICHENES	-	-	-	-	-	[spec. 2. vel. 3.]

[M'Murtrie's picture of Louisville.]

CATALOGUE

Of Plants growing in the vicinity of Nachitoches on Red river, La

- Acer, Negundo.* Flowering Ash. Box Elder, inhabiting the banks of Red river.
- JEsculus, Pavia.* Buck eye. A Shrub: Flowers scarlet; inhabiting sandy hills. The Creoles use the bark of the root as a substitute for soap in washing.
- Aletris, farinosa.* Star wort, found on the high lands, two miles west of Nachitoches.
- Amaranthus, Albus,*
 " *Hybrridus,*
 " *Sanguineus,* } common in fields and road sides.

- Amorpha, Angustifolia.* Wild Indigo; inhabits borders of swamps and lakes.
- Andromeda, Angustifolia.*
- Anemone, Nemorosa.* } Anemone; inhabiting sandy hills near
 " *Tenella.* } Red River.
- Anthemis, Arvensis.* May weed; common on road sides.
- Aralia, Racemosa.* Spikenard.
- " *Nudicaulis.* Sarsaparilla; hab. growing in abundance half a mile east of Grand Ecor.
- Aristolochia, Serpentaria,* Virginia Snake root; growing eight miles north east of Nachitoches.
- Arum, Triphyllum.* } Indian Turnip; growing four miles west
 " *Dracontium.* } of Nachitoches on the river banks.
- Asclepias, Debilis,* }
 " *Incarnata,* }
 " *Variegata,* } Milk weed.
 " *Acuminata,* }
 " *Verticillata,* }
 " *Tuberosa,* }
 " *Lanceolata,* }
 . } Pleurisy root; growing in abundance.
 This species was discovered in the year 1819, by professor Ives, on the plains, two miles east of New Haven, Conn. I have since found it in the vicinity of Nachitoches.
- Aster, Gracilis,* Star wort,
 " *Angustifolius*
- Azalea, Viscosa,* }
 " *Nitida,* } Honey Suckle.
 " *Glauc.* }
- Bidens, Connata,* hab. sandy hills.
 " *Chrysanthemoides.*
- Bignonia, Radicans.* }
 " *Crucigera.* } Trumpet Flower.
- Cactus, Opuntia.* Prickley Pear.
 " *Flagelliformis.*
- Campanula, Rotundifolia,* Bell Flower.
 " *Acuminata.*
- Caprifolium, Gratum,* Honey suckle: Woodbine.
 " *Parviflorum.*
- Carex, Paniculata,*
 " *Ovalis,*
 " *Crinita,*
 " *Hirsuta,*

- Cassia, Chamacrista,* }
 " *Marylandica,* } Sensitive Pea.
 " *Nictitans.* }
- Castanea, Pumile;* Chinquapin.
Catalpa, Syringifolia; Cutalpa Tree.
Cephalanthus, Occidentalis; Button Bush.
Cercis, Canadensis; Judas Tree.
Chamarops, Hystrix; Palmetto.
Chenopodium, Authelminticum; Worm seed.
Canvotoulus, Batatus; Sweet potatoe.
 " *Arvensis;* }
 " *Repens;* } Morning Glory.
- Cornus, Florida;* Dogwood.
 " *Alba,* grows from five to twelve feet high.
- Corydalis, Glanca,*
Crategus, Pyrafolia, }
 " *Glandulosa,* } Hawthorn.
 " *Parvifolia,* }
- Cupresses, disticha;* Cypress tree, in extensive swamps and lakes.
Cypripedium, humile; }
 " *Pubescens.* } Ladie's Slipper, in low ground.
- Datura, stramonium;* Thorn apple. Jamestown weed, common.
Delphinium, azureum; }
 " *consolidum;* } Larkspur.
- Diospyrus, Virginiana;* Persimon.
Erigeron, bellidifolium; Rattlesnake plantain.
Erythrina, herbacea; Coral plant, hab. on the sandy hills between the
 Red and Sabine rivers. Flowers scarlet.
Eupatorium, perfoliatum; Thorough wort.
 " *Pilosum;*
- Fraxinus, acuminata;* White Ash.
Gelsemium, Nitidum; Carolina Jessamine, hab. found growing near a
 bayou one mile west of Nachitoches. Scarce;
 flowers deep yellow, very fragrant.
- Geranium, Robertianum;*
Geum, strictum; }
 " *Virginianum,* } Avens,
- Gleditschia, Triacanthos;* Honey locust; a large tree growing near the
 Sabine river; pods contain a sweet pulp, which
 is in large doses a gentle laxative.
- Gymnocladus, Canadensis;* Kentucky coffee tree: pods large, brown.
 Called by the French, Chicot.

Halesia, diptera; on the banks of Red river.

Hibiscus, Esculentus. Okra, cultivated in gardens.

Hottonia, inflata;

Hypericum, Canadensis;
 " *perforatum*,
 " *parviflorum*. } St. John's wort.

Ilex, opaca;
 " *cassine*,
 " *angustifolia*. } Holly. An ever green; berries red.

Ipomea, vitis; Cypress vine.

Iris, Virginica; Fleur de luce, in low marshy situations.

Juglans, oliveformis; Pecan tree, growing in abundance.

Kalmia, angustifolia:

Lamium, amplexicaule;

Laurus, benzoin; Spice wood.

" *Sassafras*; Sassafras. Gum is useful for inflamed eyes.

SILLIMAN.

Liquidamber, styraciflua; Sweet gum tree.

Lobelia, cardinalis; Red cardinal flower.

" *syphilitica*;

Lysimachia, racemosa;

" *quadrifolia*;

" *angustifolia*.

Magnolia, glauca; Sweet bay.

" *grandiflora*; Big Laurel.

Malva, Caloliniana;

Mitchella, Repens;

Monarda, Kalmiana: Oswego tea, on the high lands S. W. of the town of Nachitoches.

" *Clinopodia*,

" *hirsuta*.

Myrica, cerifera; Wax myrtle.

Neottia, cernua,

" *tortilis*.

Nyssa, villosa; Sour gum tree.

Oenothera, glauca,

" *parviflora*.

Passiflora, lutea;
 " *incarnata*. } Passion flower.

Phytolacca, decandria; Poke weed.

Podophyllum, peltatum; Mandrake, May apple.

- Polygala, rubella;* } Sandy hills.
 " *sanguinea.* }
- Quercus.* Oak tree.
- Ranunculus, flammula;* } Butter cup.
 " *abortivus,* } Hab. roads and ditches.
 " *Sceleratus.* }
- Ricinis. communis.* Palma christi.
- Robinia, Viscosa:* Locust tree. A highly ornamental tree.
- Rhus, Vernix;* Poison sumach.
- Sabbatia. angularis;* American centaury.
- Sagittaria, falcata;* } Arrow head.
 " *hastata.* }
- Salix nigra;* Willow, on the banks of rivers.
- Sanguisorba, Canadensis;* Burnet. hab. on hills; found growing on the bluff near the town of Nachitoches.
- Sarracenia, psittacina;* In swamps; flowers on long peduncles.
- Schrankia, uncinata;* sensitive briar: flowers red, in globular spikes, very fragrant.
- Scutellaria. parvula;* } On sandy hills.
 " *Caroliniana.* }
- Sisyrinchium, anceps;* Blue eyed grass.
- Solanum. nigrum:* Night shade.
- Solidago, odora;* Golden rod.
- " *bicolor;*
- " *Stricta,*
- " *lanceolata,*
- " *erecta,*
- Spigelia Marylandica:* Carolina pink root.
- Spirea, trifoliata:* Indian physic.
- Tephrosia. Virginiana:*
- " *hispidula.*
- Tradescantia, Virginica:* Spider wort.
- Trillium, cernuum:* } Wake robin.
 " *sessile.* }
- Ulmus. fulvus:* Red elm, slippery elm.
- Vaccinium, frondosum:*
- " *Nitidum.*
- Verbascum. thapsus,* Mullen.
- Vicia, Caroliniana:*
- " *Americana.*
- Viola, pedata:* Violet.
- " *palmata,*

- " *lanceolata*,
 " *cucullata*,
 " *debilis*,
 " *pubescens*,
 " *bicolor*.

Viscum, album: Mistletoe, a parasitic plant on trees.

Zinnia, Multiflora: On the banks of Red river.

TABLE NO. IV.

The following is not given, as a catalogue of the quadrupeds of the Mississippi Valley,—but as that of the most common animals of that class, that are met in the different great divisions of the country.

Bison	Elk	Grey Fox
Grizzly Bear	Virginia Deer	Pronghorned Antelope
Panther; two or three varieties.	Cougar	Mountain Sheep
Black Bear	Bay Lynx	Raccoon
Black Wolf	Wild Cat	Badger
Prairie Wolf	Indian Dog	Mink
Beaver	Red Fox	Otter
Skunk	Hare	Rustic Mouse
Opossum	Pouched Rator	Meadow Mouse
Maryland Marmot	Gopher	<i>Mus Musculus</i>
Prairie Dog	Ground Squirrel	Domestic Rat
Musk Rat	White nosed Squirrel	New York Bat
Rabbit	Gray Squirrel	Carolina Bat
	Leaping Mouse	Ground Mole

TABLE NO. V.

The following catalogue contains but a small proportion of the number of Western birds; but it is believed that the birds most frequently seen in the great divisions are included here.

Turkey Buzzard	Red eared Owl
Bald Eagle	Barred Owl
Fish Hawk	Hawk Owl
American Buzzard	Great Owl
Marsh Hawk	Great American Shrike

Prairie Hen	Louisianan Tanager
Swallow tailed Falcon	Scarlet Tanager
American Sparrow Hawk	Tyrant Fly-catcher
Ring tailed Eagle	Louisiana Fly-catcher
Red shouldered Hawk	Canada Fly-catcher
Mississippi Kite	Yellow breasted Chat
Sharp shinned Hawk	White-eyed Fly-catcher
Slate colored Hawk	American Red Start
Long eared Owl	Red-eyed Fly-catcher
Virginia eared Owl	Green black-capped Fly-catcher
Pewee Fly-catcher	Towhee Bunting
Cedar Bird	Chipping Sparrow
Ferruginous Thrush	Cow Bird
Cat Bird	Yellow bird
Brown Thrush	Yellow hemp Bird
Mocking Bird	Song Sparrow
Golden crowned Thrush	Purple Finch
Red breasted Thrush	Lesser red Poll
Water Thrush	Snow Bird
Red Bird, or Virginia Cardinal	Cardinal Grosbeak
Blue winged yellow Warbler	Pine Grosbeak
Blue Bird	American Grosbeak
Black poll Warbler	Purple Grackle
Blue yellow backed Warbler	Red winged Starling
Winter Wren	Baltimore Bird
Cerulean Warbler	Orchard Oriole
Great Carolina Wren	Yellow headed Oriole
Marsh Wren	Meadow Lark
Barn Swallow	Robin Red-breast
Bank Swallow	White breasted Nut-thatch.
Chimney Swallow	Red bellied Nut-thatch
Purple Martin	Raven
Whip-poor-will	Crow
Spanish Whip-poor-will	Magpie
Night Hawk	Bluejay
Sky Lark	Ruby throated Humming bird
Red Lark	Belted Kingfisher
Black capped Titmouse	Pileated Woodpecker
Black throated Bunting	Downey woodpecker
Hairy Woodpecker	Great marbled Godwit
Red bellied woodpecker	Horned Grackle

Carolina paroquet	Common Coot
Wild Turkey	Laughing Gull
Pinnated Grouse	Marshstern
Ruffed Grouse	Lessertern
Virginia Partridge	Rough billed Pelican
Passage Pigeon	Brown Pelican
Carolina Pigeon	Cormorant
Killdeer	Swan
Golden plover	Canadian Goose
Hooping Crane	Barnacle Goose
Sandhill Crane	White fronted Goose
Great Heron	Blue winged Teal
Green Heron	Buffle headed Duck
Night Heron	Wild Duck
Long billed Curlew	Summer Duck
Little Wood Cock	Scaup Duck
Willet	Wood Duck
Stone Curlew	Pintailed Duck
Tell tale Godwit	Golden eye
Solitary Sandpiper	American Widgeon
Semi palmated Sandpiper	Red breasted Merganser
Yellow shank's Snipe	Hooded Merganser

TABLE NO. VI.

Number of communicants belonging to the Methodist church in the Western country, in 1826, was nearly as follows:—

In the state of Ohio,	- - - - -	40,400
In Kentucky,	- - - - -	20,550
In Indiana,	- - - - -	11,800
In Illinois,	- - - - -	3,680
In Missouri,	- - - - -	2,360
In Tennessee,	- - - - -	27,890
In Alabama,	- - - - -	7,400
In Mississippi,	- - - - -	6,750
In Louisiana,	- - - - -	1,250
In Arkansas Territory,	- - - - -	600

Total, 122,680

It is estimated, that the Methodist congregations contain, on an average, five or six hearers to every communicant. Admitting this to be correct, the aggregate numbers, including communicants and hearers, composing the Methodist congregations in the West, will amount to seven or eight hundred thousand. The number of itinerant ministers in the Western country was, in 1826, four hundred and eighty five. The number of local ministers can not be less, than between six and eight hundred.

There are between ten and fifteen thousand communicants in this church, west of the mountains, in the states of Pennsylvania and Virginia, not included in the foregoing account.

Taking the whole of the Western country together, it seems evident, that the Methodists are the most numerous denomination; and that next to them, are the Presbyterians. It is believed, that in Kentucky, the Baptists are the most numerous religious society; but they are not very numerous in any other Western state.

The Cumberland Presbyterians are numerous and increasing.— Their congregations are chiefly in Tennessee, Kentucky and Missouri. There are considerable numbers of Tunkers in Ohio, Indiana and Missouri. They are Germans, and are distinguished by wearing long beards. There are some of the people, who call themselves Christians, and a few Unitarians, though it is not known, that there are any organized Unitarian societies.

The number of societies of each of these denominations respectively, we have no means of estimating from any certain data. We give the following, as the estimate of our own observation:

Regular Presbyterian societies in the Western country,	300
Regular Baptist do. - - - - -	140
Catholic do. - - - - -	60

TABLE NO. VII.

Exports from Louisiana by New Orleans, and from Alabama chiefly by Mobile.

1821.	Louisiana,	-	-	-	-	-	\$7,200,172
	same year Alabama,	-	-	-	-	-	100,960
1822.	Louisiana,	-	-	-	-	-	7,978,854
	" Alabama,	-	-	-	-	-	209,748
1823.	Louisiana,	-	-	-	-	-	7,779,072

"	Alabama,	-	-	-	-	-	202,387
1824.	Louisiana,	-	-	-	-	-	10,965,234
"	Alabama,	-	-	-	-	-	691,897
1826.	Louisiana,	-	●	-	-	-	9,048,506
"	Alabama,	-	-	-	-	-	1,518,701
1827.	Louisiana,	-	-	-	-	-	10,602,832
"	Alabama,	-	-	-	-	-	991,897

The shipping of New Orleans in 1822, was 114,149 tons. In 1827, 204,460 tons. The city improvements from 1825, have amounted to 655,439 dollars. Of the single article of lead, it is conjectured that the amount shipped on the Mississippi, from Fever river on the Upper Mississippi, and from Missouri, will exceed this year, (1826,) 6,000,000 lbs.

TABLE NO. VIII.

LIST OF STEAM BOATS.

<i>Names of Steam boats.</i>	<i>Where built.</i>	<i>No. Tons.</i>	<i>Date.</i>
Andrew Jackson,	Cincinnati,	300	1824
Atalanta,	"	150	1825
Ariel,	"	50	"
Aurora,	Steubenville,	100	"
Amazon,	Cincinnati,	350	1826
Atlas,	"	25	"
Belle Creole,	●	140	1822
Belvidere,	Portsmouth,	180	1824
Bolivar,	Pittsburg,	120	"
Ben. Franklin,	Cincinnati,	160	1826
Beaver,	"	150	1827
Baltimore,	Pittsburg,	30	1828
Cavalier,	Cincinnati,	180	1822
Caledonia,	"	375	1824
Cleopatra,	New Albany,	130	"
Columbia,	Cincinnati,	200	1825
Caravan,	"	250	"
Columbus,	Pittsburg,	330	1826
Commerce,	"	200	"
Crusader,	Petersburgh,	160	"
Courtland,	Cincinnati,	200	"
Clinton,	"	130	"
Cincinnati,	"	"	"

<i>Names of Steam boats.</i>	<i>Where built.</i>	<i>No. Tons.</i>	<i>Date.</i>
Cumberland,	Pittsburg,	"	1827
Coosa,	"	150	"
Criterion,	New Albany,	"	"
Decatur,	"	30	1825
Daniel Boone,	"	260	1826
De Witt Clinton,	Pittsburg,	130	"
Dolphin,	Cincinnati,	100	"
Diana,	Portsmouth,	90	1828
Emerald,	New Albany,		
Essex,	Pittsburg,	160	1826
Echo,	"	200	1827
Feliciana,	Philadelphia,	300	1820
Facility,	Cincinnati,	100	1826
Fairy,	"	40	1827
Fame,	Pittsburg,	275	"
Florida,	"	300	"
Geo. Washington,	Cincinnati,	370	1824
Gen. Pike,	Big Bone,	130	"
Gen. Wayne,	Pittsburg,	300	1825
Gen. Carroll,	Cincinnati,	275	1826
Gen. Marion,	"	60	"
Grampus, a tow boat,	"	250	"
Gen. Coffee,	Pittsburg,	150	"
Helen M'Gregor,	Cincinnati,	360	1824
Hercules, a tow boat,	"	175	1826
Hamilton,	"	170	"
Huntress,	New Albany,	280	"
Hibernia,	"	270	"
Hercules,	Pittsburg,	150	"
Herald,	"	"	"
Indiana,	New Albany,	120	1823
Integrity,	Cincinnati,	70	1827
Isabella,	Marietta,	200	"
Illinois,	Pittsburg,	100	1828
Jubilee,	"	200	1828
Josephine,	Cincinnati,	30	"
John M'Lean,	"	"	"
Kenhawa,	"	20	1828
Lawrence,	"	100	1824
La Fayette,	Pittsburg,	130	1825
Liberator,	"	250	"
Lexington,	Louisville,	200	"
Lady Washington,	Pittsburg,	120	1826
Lady of the Lake,	New Albany,	125	"
La Grange,	Wheeling,	130	1827
Muskingum,	Marietta,	150	1824
Messenger,	Pittsburg,	130	1825
Maryland,	"	"	1827
Montezuma,	Cincinnati,	160	1828

<i>Names of Steam boats.</i>	<i>Where built.</i>	<i>No. Tons.</i>	<i>Date.</i>
Monongahela,	Bridgeport,	30	1828
Mountaineer,	"	130	"
Missouri,	Pittsburg,	100	"
Nachitoches,	Cincinnati,	"	1825
Native,	"	40	1827
New York,	Pittsburg,	375	"
North America,	"	300	"
Neptune,	"	150	1828
Opelousas	Cincinnati,	100	1826
Ontario,	Silver Creek,	"	"
Oregon,	Marietta,	200	1827
Pittsburgh,	Pittsburg,	130	1823
Paul Jones,	"	300	1825
Post Boy, a tow boat,	New York,	200	"
Plough Boy,	New Albany,	100	"
Patriot,	Cincinnati,	250	"
Pioneer,	"	200	"
Philadelphia,	"	330	1826
Phœbus,	"	60	"
Pilot,	Big Bone,	100	"
Pocahontas,	Pittsburg,	250	"
Pennsylvania,	"	100	1827
Pitts. & Wheel'g. Packet	"	150	"
Porpoise, a tow boat,	Cincinnati,	300	1828
Rambler,	Pittsburg,	120	1823
Red River,	Marietta,	100	1824
Rob Roy,	Cincinnati,	250	"
Robert Emmett,	Louisville,	40	1825
Reindeer,	Bridgeport,	50	1826
Rover,	Cincinnati,	70	1827
Red Rover,	Marietta,	30	1828
Shamrock,	Pittsburg,	60	1827
Star,	"	"	"
Speedwell,	Big Bone,	"	"
St. John,	Cincinnati,	75	"
Tecumseh,	"	200	1826
Tuscumbia,	"	250	"
Triton,	"	30	"
Velocipede,	"	70	1824
Virginia,	"	130	1826
Washita,	New Albany,	70	"
Wm. Tell,	New Richmond,	"	"
Wm. D. Duncan,	Pittsburg,	"	1827
Warren,	Marietta,	100	"
Warrior	"	70	"
Waverly,	Cincinnati,	100	1828

TABLE NO. IX.

The militia of the Western country, if fully organized according to the requirements of the law, would amount to between 3 and 400,000.

The United States' troops in the Western country, are stationed as follows:

The troops stationed in this department consist of five companies of the 4th Regiment of Artillery, with the 1st, 4th, 5th, 6th and 7th Regiments of Infantry, occupying at the time of inspection (between the 16th November, 1821, and the 6th of November, 1823,) the posts and places which follow, viz:

1. Baton Rouge, Louisiana, 1st Regiment Infantry.
2. Powder Magazine, New Orleans, a Lieutenant's guard.
3. Fort St. Philip, La., one company 4th Artillery.
4. The city of Pensacola, one company 4th Infantry.
5. Fort Carlos Barrancas, one company 4th Artillery.
6. Cantonment near Barrancas, one company 4th Infantry.
7. Fort St. Marks, East Florida, two companies 4th Artillery.
8. Fort Bowyer, Mobile Point, one company 4th Infantry.
9. Petit Coquille, La., one company 4th Artillery.
10. Fort Selden, La., five companies 7th Infantry, four of which are now (December, 1822,) at cantonment Jessup.
11. Cantonment Taylor, Sulphur Fork, Red River, one company 7th Infantry.
12. Fort Smith, Arkansas, five companies 7th Infantry.
13. Fort Atkinson, Council Bluffs, Missouri, the 6th Regiment Infantry.
14. Fort St. Anthony, Mississippi River, six companies 5th infantry.
15. Fort Crawford, Prairie du Chien, two companies 5th Infantry.
16. Fort Armstrong, Rock Island, one company 5th Infantry.
17. Fort Edward, Rapide des Moines, one company 5th Infantry.
18. St. Louis, Missouri Depot.
19. Fort Massac, Illinois Barracks.
20. Arsenal, Newport, Kentucky.

END OF VOLUME SECOND.

